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Test Report

Verified Code:786464

Report No.:H202503245208-01EN

Customer: Beijing HollySys Intelligent Technologies Co.,Ltd.

Address: No.2,Disheng Middle Road,Beijing Economic Technological Development Area,100176 Beijing,P.R.China.

Sample Name: LXS Control System

Sample Model: LXS

Receive Sample Date: Mar.24,2025

Test Date: Mar.24,2025~Apr.10,2025

Reference Document: See Table 3 Summary of Test Information

Test Result: Meet the requirements

Prepared by

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Reviewed by

Dong Xu

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Approved by

Guan Xu Feng

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GRG METROLOY & TEST XI'AN CO.,LTD.

Issued Date: 2025/7/16

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H202503245208-01EN



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Test type	☒ Commissioning Test ☐ Routine test ☐ DV ☐ ECV ☐ PV ☐ OTS ☐ R&D test ☐ Others_____			
Sample Source	☒ Commissioned units send sample ☐ Others:			
Sample	Model	Quantity	Sample No.	Test No.
LXS Control System	LXS	1	/	H202503245208-0001
Sample Components and Accessories	Components: / Accessories: /			
Test with packaging or not	☐ Yes, Outer Packing _____ ☐ No			
Sample quality before test	☐ Conformity Product ☐ Non-conformity Product ☐ Prototype ☐ Others			
Abnormal condition of sample before test	No Abnormalities			
Environmental requirements	Temperature: 15.0℃~35.0℃ Relative Humidity: 25%~75% Atmospheric pressure: 86kPa~106kPa			
Test Address	Xi 'an laboratory:No.9th Zaozitai Road, New Industrial Park of Hi-tech Zone, Xi'an, Shaanxi Province ,China			

Table 1 Composition of subjects

No.	Model	name	quantity	Hardware version	Software version
1	LX-CU500	Controller	1	B	02
2	LX-CU510	Controller	1	A	01
3	LX-CU511	Controller	1	A	01
4	LX-PM901	Safety power module	6	A	/
5	LX-LG901	Safety logic module	4	A	02
6	LX-DI907	8 channel safety digital input module	3	A	01
7	LX-DI906	4 channel safety digital input module	6	A	01
8	LX-DO906	4 channel safety digital output module	3	A	01
9	LX-AI906	6 channel safety current type analog input module	3	A	01
10	LX-AUX901	Safety isolation module	3	A	/
11	LX-PM903	Safety power relay module	3	A	/
12	LX-AI907	6 channel safety voltage type analog input module	3	A	01
13	LX-AO003	4 channel voltage current type analog output module	9	A	02
14	LX-IM002	End coupling module	3	A	01
15	LX-IM001	Originating coupling module	3	B	01
16	LX-TC901	4 channel safe thermocouple input module	3	A	01
17	LX-RTD901	4 channel safety thermoelectric resistance type input module	3	A	01
18	LX-DO907	2-channel safety digital output module(2A)	3	A	01
19	PIC240.241C	PULS power module	1	C	/
20	PROMAX 240W 24V 10A	Wei demille power module	1	/	/
21	PROMAX 240W 24V 20A	Wei demille power module	1	/	/

Table 2 Test software and Engineering

No.	Classification	Name	Version	Manufacturer
1	Configuration software	FA-AutoThink-Safety	3.2.3 safety	Hollysys
2	Configuration software	FA-AutoThink	3.2.3Patch1	Hollysys
3	Test Engineer	Environment type test engineering		

Table 3 Summary of Test Information

No.	Item name	Test standard	Test result	Page	Whether it is within the scope of CNAS accreditation
1	Low temperature operation	IEC 60068-2-1-2007	Meet the requirements	6~9	Yes
2	Dry and cold resistance test (low temperature storage)	IEC 60068-2-1-2007	Meet the requirements	10~12	Yes
3	High temperature operation	IEC 60068-2-2-2007	Meet the requirements	13~16	Yes
4	Dry heat resistance test (high temperature storage)	IEC 60068-2-2-2007	Meet the requirements	17~19	Yes
5	Cyclic Damp Heat	IEC 60068-2-30-2005	Meet the requirements	20~22	Yes
6	Constant damp heat (operation)	IEC 60068-2-78:2012	Meet the requirements	23~26	Yes
7	Temperature shock (temperature change resistance test)	IEC 60068-2-14-2009	Meet the requirements	27~29	Yes
8	Temperature cycle (resistance to temperature change test)	IEC 60068-2-14-2009	Meet the requirements	30~33	Yes

1 Low temperature operation

1.1 Test condition

1.1.1 Test basis: IEC 60068-2-1:2007;

1.1.2 Sample status: Electricity;

- a) Test temperature: $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$;
- b) Temperature change rate: $\leq 1^{\circ}\text{C}/\text{min}$;
- c) Duration: $16\text{h} \pm 1\text{h}$;
- d) Test mode: Ae.

1.2 Sample information

Sample information is shown in table 1-1.

Table 1-1 Sample information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

1.3 Test Requirements

According to the client's requirements, test requirements are shown in Table1-2

Table 1-2 Examination Requirement

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.

2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3. During the entire test process when power is on, the module functions should be normal during and after the test, and the accuracy should meet the requirements of the specification. The channel acquisition accuracy of the AI module should meet 0.3%F.S. The acquisition accuracy of the TC module should meet $\pm 3^{\circ}\text{C}\%$ F.S. The acquisition accuracy of the RTD module should meet: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); The collected values of the DI module channel should have no jumps. 4. When the whole test process is powered on, during and after the module test, the module functions should be normally, the accuracy should be meets the requirements of the specification, the AO module should be channel signal should be normal, and the DO module output signal should be free of error. 5. During the test, the IEC operation of the controller module should be normal, the communication between the controller should be normal, the communication between the controller and the I/O module should be normal, the data uploaded in AT is correct, and there should be no error data input or output; 6. During the test, the power module should has no fault indication, and AT should has no offline event record due to power loss of IO module. 7. The IO module should has no abnormal alarm during the test; 8. During the experiment, the switch should has no fault indication, and AT should has no controller offline event record.
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1.4 Test Result

The test result is shown in Table 1-3.

Table 1-3 Test Result

Test No.	Test item	Test result	Conclusion
H20250324 5208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. During the entire process of the test, when the power is continuously on, the module function is normal during and after the test, and the accuracy meets the requirements of the specification. The AI module channel acquisition accuracy meets 0.3% F.S; the TC module acquisition accuracy meets $\pm 3^{\circ}\text{C}\%$ F.S; and the RTD module acquisition accuracy meets: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); there is no jump in the collected value of the DI module channel. 4. When the whole test process is powered on, during and after the module test, the module functions normally, the accuracy meets the requirements of the specification, the AO module channel signal is normal, and the DO module output signal is free of error. 5. During the test, the IEC operation of the controller module is normal, the communication between the controller is normal, the communication between the controller and the I/O module is normal, the data uploaded in AT is correct, and there is no error data input or output; 6. During the test, the power module has no fault indication, and AT has no offline event record due to power loss of IO module. 7. The IO module has no abnormal alarm during the test; 8. During the experiment, the switch has no fault indication, and AT has no controller offline event record.	Meet the requirements

1.5 Test Photos

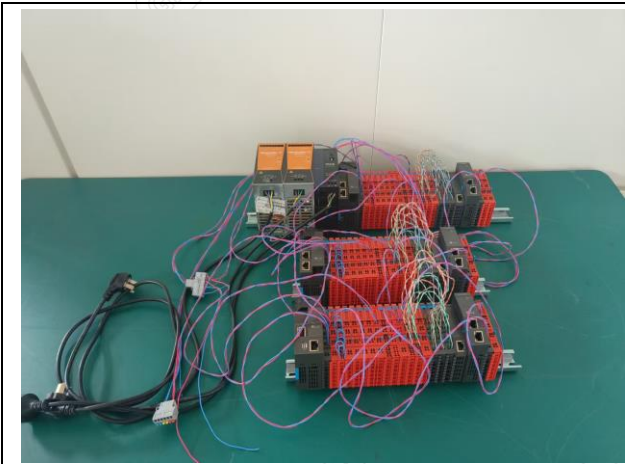


Fig.1-1Samples before test

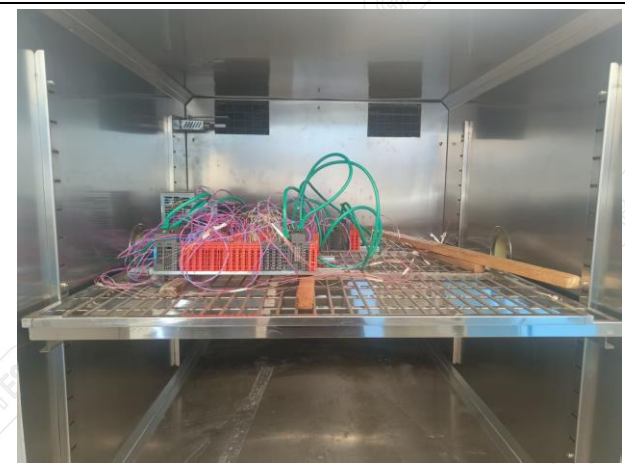


Fig.1-2Sample placement

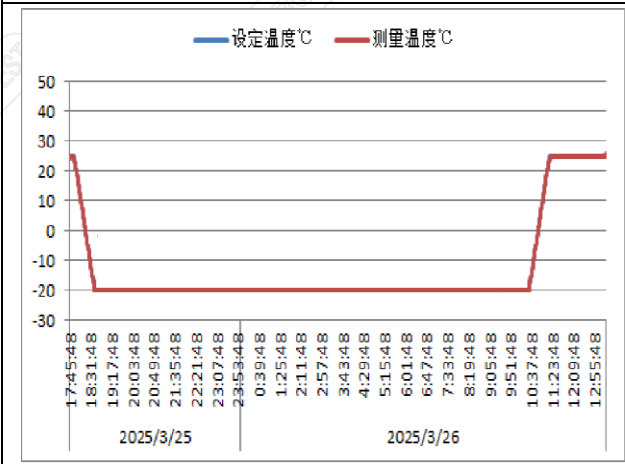


Fig.1-3Test curve

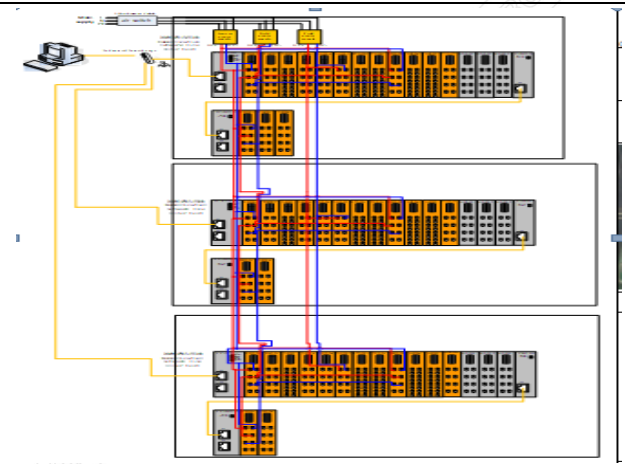


Fig.1-4LXS system environment test configuration diagram

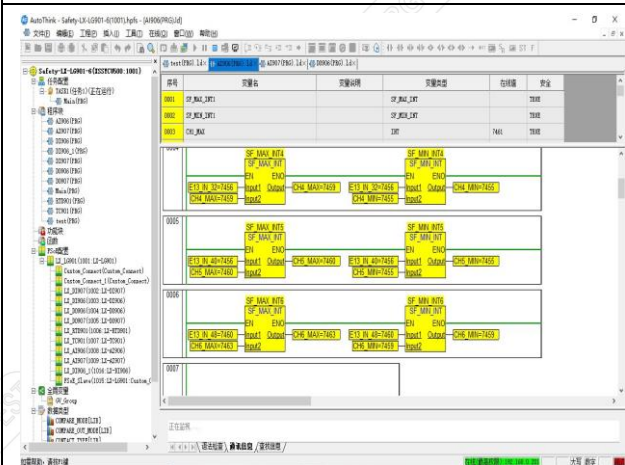


Fig.1-5Typical test photo

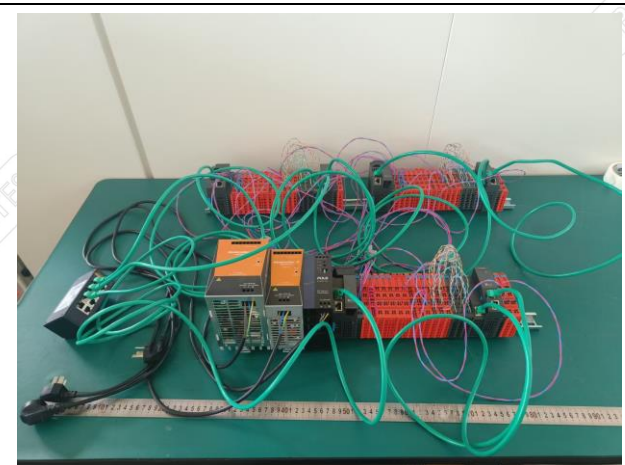


Fig.1-6Samples after test

2 Dry and cold resistance test (low temperature storage)

2.1 Test Condition

2.1.1 Test basis: IEC 60068-2-1:2007;

2.1.2 Sample status: Sample power-off;

- a) Test temperature: $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$;
- b) Temperature change rate: $\leq 1^{\circ}\text{C}/\text{min}$;
- c) Duration: $16\text{h} \pm 1\text{h}$;
- d) Test mode: Ab;
- e) The recovery time must be ≥ 1 hour;
- f) After the test, perform a power-on test.

2.2 Sample Information

Sample information is shown in Table 2-1.

Table 2-1 Sample Information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

2.3 Test Requirements

According to the client's requirements, test requirements are shown in Table 2-2

Table2-2 Examination Requirement

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3.When the power is not applied during the whole test process, after the module test, the module functions should be normally, and the accuracy should be meets the requirements of the specification. The channel accuracy of the AI modules should be meets 0.3% F. S, and the DO output has should be no error, and the acquisition value of the DI module channel should has no jump.

2.4 Test Result

The test result is shown in Table 2-3.

Table 2-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. When the power is not applied during the whole test process, after the module test, the module functions normally, and the accuracy meets the requirements of the specification. The channel accuracy of the AI modules meets 0.3% F. S, and the DO output has no error, and the acquisition value of the DI module channel has no jump.	Meet the requirements

2.5 Test Photos

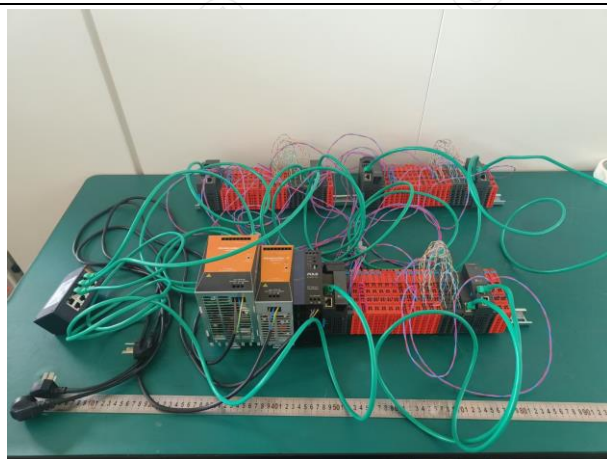


Fig.2-1Samples before test



Fig.2-2Sample placement

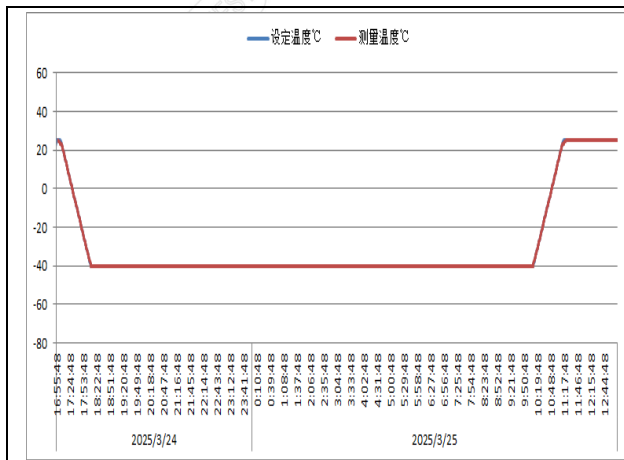


Fig.2-3 Test curve

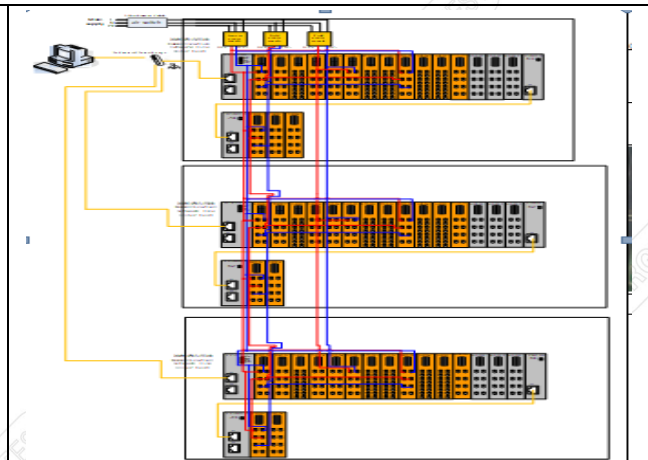


Fig.2-4 LXS system environment test configuration diagram

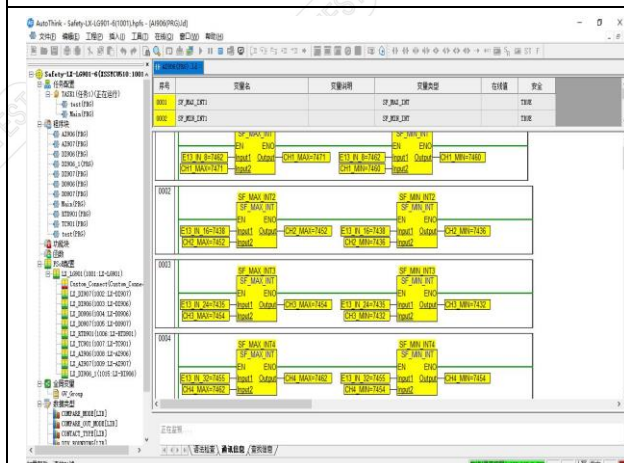


Fig.2-5 Typical test photo

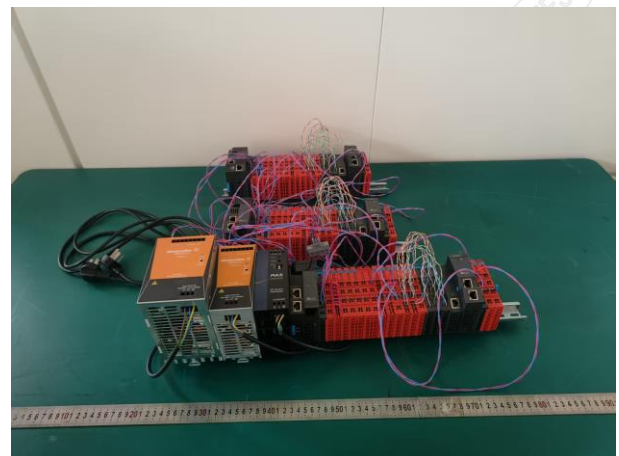


Fig.2-6 Samples after test

3 High temperature operation

3.1 Test Condition

3.1.1 Test basis: IEC 60068-2-2:2007;

3.1.2 Sample status: Electricity;

- Test temperature: $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$;
- Temperature change rate: $\leq 1^{\circ}\text{C}/\text{min}$;
- Duration: $16\text{h} \pm 1\text{h}$;
- Test mode: Be.

3.2 Sample information

Sample information is shown in table 3-1.

Table 3-1 Sample information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

3.3 Sample Information

Sample information is shown in table3-2.

Table 3-2 Examination Requirement

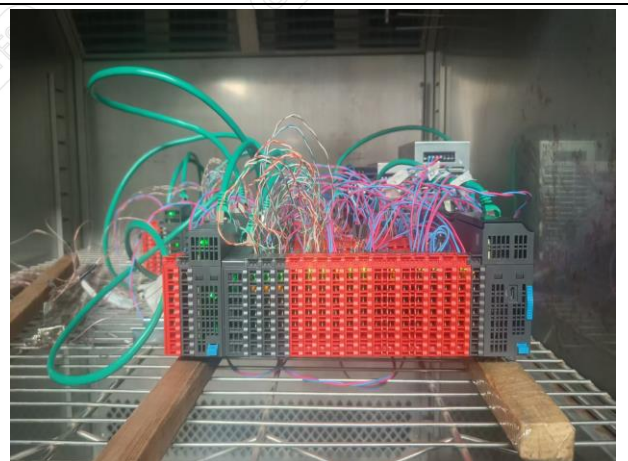
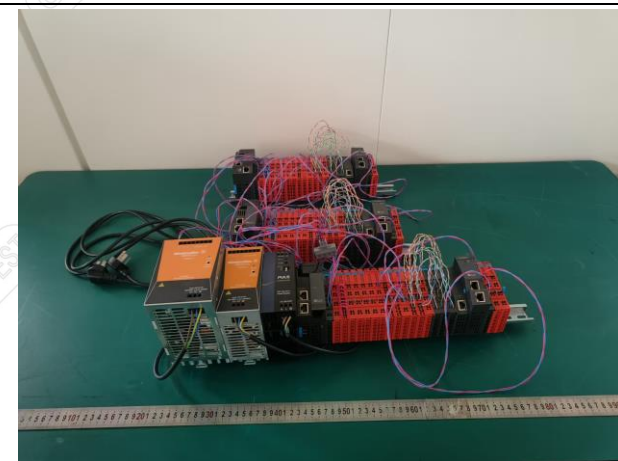
Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3. During the entire test process when power is on, the module functions should be normal during and after the test, and the accuracy should meet the requirements of the specification. The channel acquisition accuracy of the AI module should meet 0.3%F.S. The acquisition accuracy of the TC module should meet $\pm 3^{\circ}\text{C}\%$ F.S. The acquisition accuracy of the RTD module should meet: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); The collected values of the DI module channel should have no jumps. 4. When the whole test process is powered on, during and after the module test, the module functions should be normally, the accuracy should be meets the requirements of the specification, the AO module should be channel signal should be normal, and the DO module output signal should be free of error. 5. During the test, the IEC operation of the controller module should be normal, the communication between the controller should be normal, the communication between the controller and the I/O module should be normal, the data uploaded in AT is correct, and there should be no error data input or output; 6. During the test, the power module should has no fault indication, and AT should has no offline event record due to power loss of IO module. 7. The IO module should has no abnormal alarm during the test; 8. During the experiment, the switch should has no fault indication, and AT should has no controller offline event record.

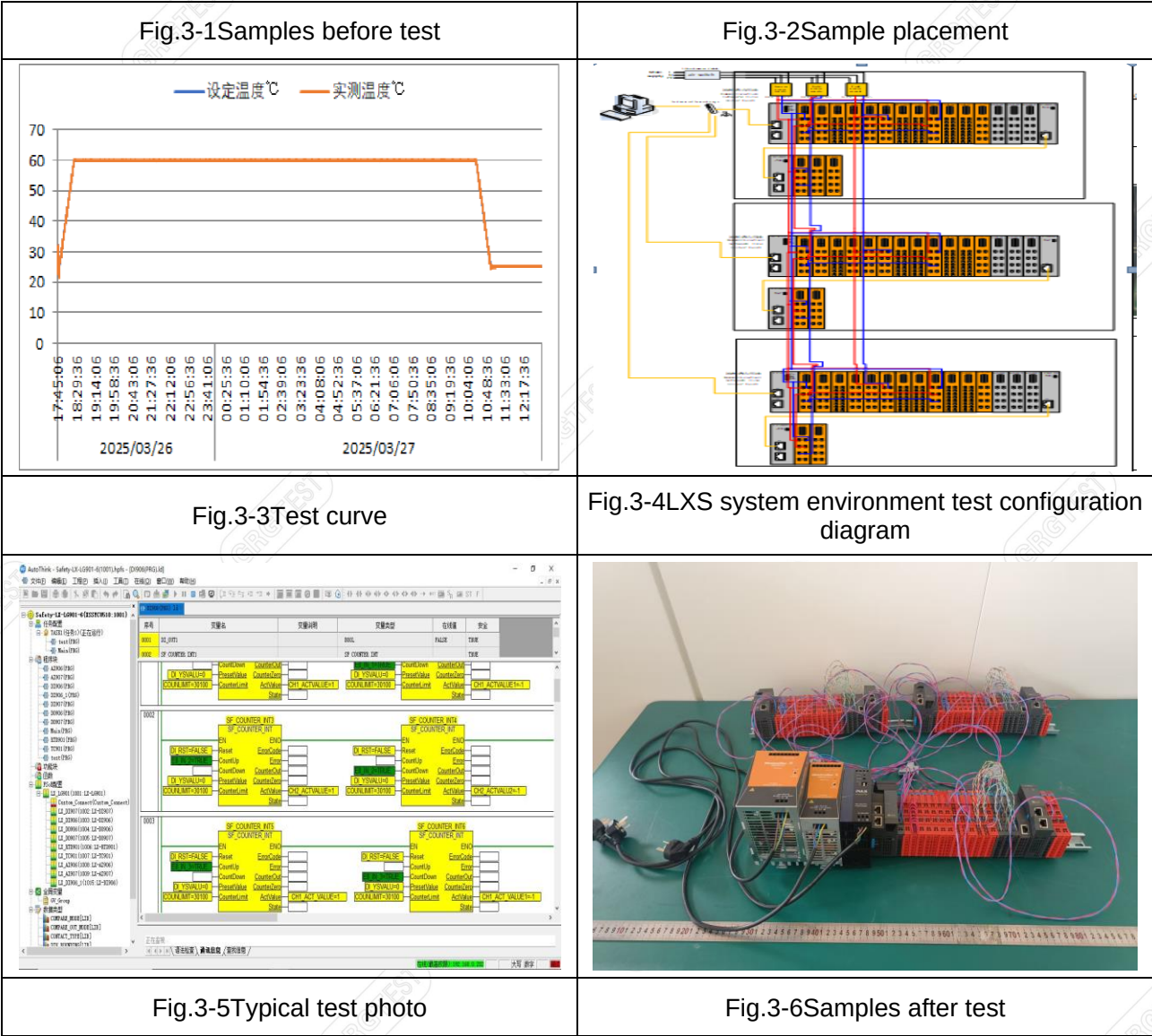
3.4 Test Result

The test result is shown in Table 3-3.

Table 3-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. During the entire process of the test, when the power is continuously on, the module function is normal during and after the test, and the accuracy meets the requirements of the specification. The AI module channel acquisition accuracy meets 0.3% F.S; the TC module acquisition accuracy meets $\pm 3\%$ F.S; and the RTD module acquisition accuracy meets: $< \pm 0.5\text{ }^{\circ}\text{C}$ (Pt sensors, 3-wire)、 $< \pm 0.9\text{ }^{\circ}\text{C}$ (Ni sensors)、 $< 1\text{ }^{\circ}\text{C}$ (Pt sensors, 2-wire); there is no jump in the collected value of the DI module channel. 4. When the whole test process is powered on, during and after the module test, the module functions normally, the accuracy meets the requirements of the specification, the AO module channel signal is normal, and the DO module output signal is free of error. 5. During the test, the IEC operation of the controller module is normal, the communication between the controller is normal, the communication between the controller and the I/O module is normal, the data uploaded in AT is correct, and there is no error data input or output; 6. During the test, the power module has no fault indication, and AT has no offline event record due to power loss of IO module. 7. The IO module has no abnormal alarm during the test; 8. During the experiment, the switch has no fault indication, and AT has no controller offline event record.	Meet the requirements

3.5 Test Photos



4 Dry heat resistance test (high temperature storage)

4.1 Test condition

4.1.1 Test basis: IEC 60068-2-2:2007;

4.1.2 Sample status: Sample power-off ;

- a) Test temperature: 70℃ ± 2℃;
- b) Temperature change rate: ≤1℃/min;
- c) Duration: 16h ± 1h;
- d) Test mode: Bb.

- e) The recovery time must be ≥ 1 hour;
- f) After the test, perform a power-on test.

4.2 Sample information

Sample information is shown in table 4-1.

Table 4-1 Sample Information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

4.3 Test Requirements

According to the client's requirements, test requirements are shown in Table 4-2

Table 4-2 Examination Requirement

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3.When the power is not applied during the whole test process, after the module test, the module functions should be normally, and the accuracy should be meets the requirements of the specification. The channel accuracy of the AI modules should be meets 0.3% F. S, and the DO output has should be no error, and the acquisition value of the DI module channel should has no jump.

4.4 Test Result

The test result is shown in Table 4-3.

Table 4-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. When the power is not applied during the whole test process, after the module test, the module functions normally, and the accuracy meets the requirements of the specification. The channel accuracy of the AI modules meets 0.3% F. S, and the DO output has no error, and the acquisition value of the DI module channel has no jump.	Meet the requirements

4.5 Test Photos

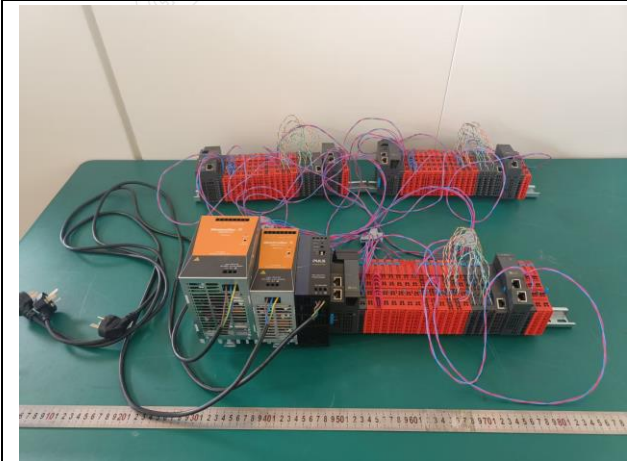


Fig.4-1 Samples before test



Fig.4-2 Sample placement

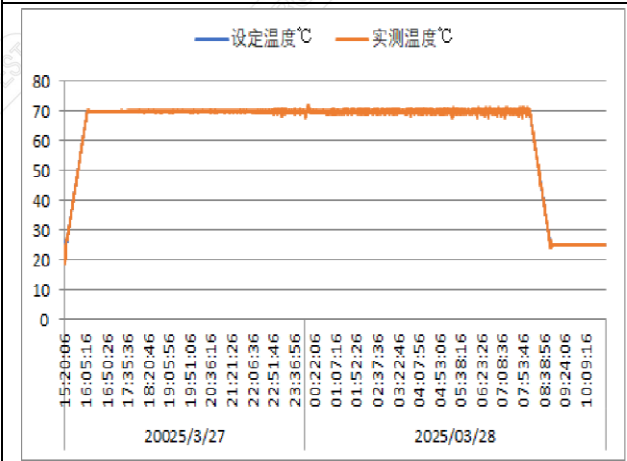


Fig.4-3 Test curve

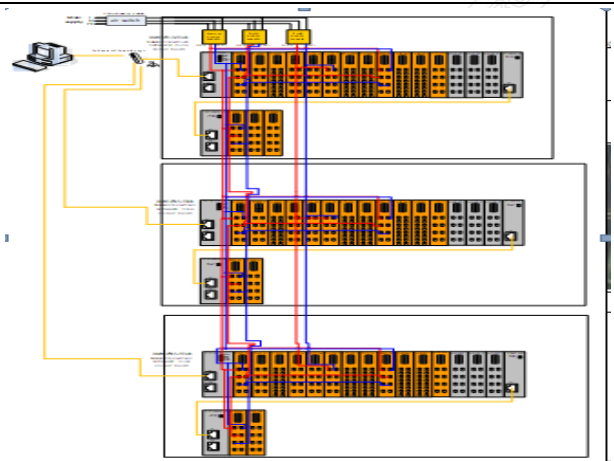


Fig.4-4 LXS system environment test configuration diagram

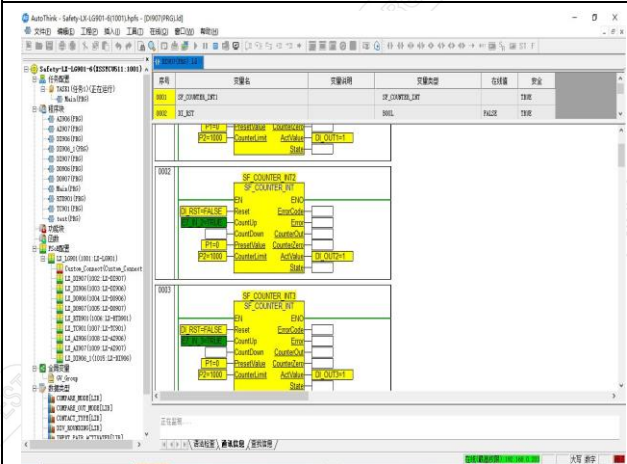


Fig.4-5 Typical test photo

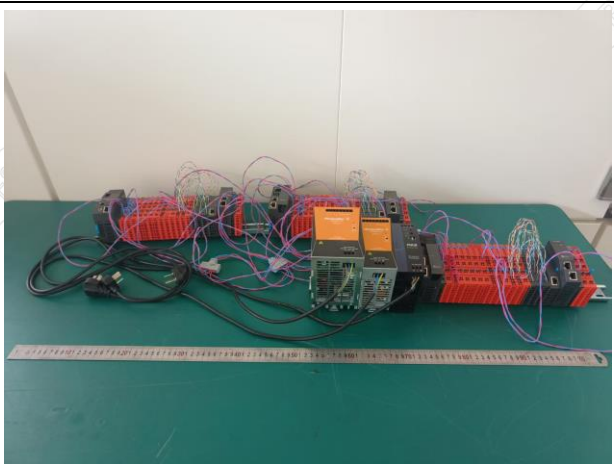


Fig.4-6 Samples after test

5 Cyclic Damp Heat

5.1 Test condition

5.1.1 Test basis: IEC 60068-2-30:2005;

5.1.2 Sample status: Sample power-off ;

- a) Test temperature: 25°C~55°C;
- b) Rising cooling time: rising for 3h, cooling for 3h;
- c) Relative humidity: 95%;
- d) Holding time: 25°C for 9h, 55°C for 9h, a cycle of 24h, a total of 2 cycles.
- e) Test mode: Db.
- f) The recovery time must be ≥ 1 hour;
- g) After the test, perform a power-on test.

5.2 Sample information

Sample information is shown in table 5-1.

Table5-1 Sample information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

5.3 Sample Information

Sample information is shown in table 5-2.

Table 5-2 Sample information

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3.When the power is not applied during the whole test process, after the module test, the module functions should be normally, and the accuracy should be meets the requirements of the specification. The channel accuracy of the AI modules should be meets 0.3% F. S, and the DO output has should be no error, and the acquisition value of the DI module channel should has no jump.

5.4 Test Result

The test result is shown in Table5-3.

Table 5-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. When the power is not applied during the whole test process, after the module test, the module functions normally, and the accuracy meets the requirements of the specification. The channel accuracy of the AI modules meets 0.3% F. S, and the DO output has no error, and the acquisition value of the DI module channel has no jump.	Meet the requirements

5.5 Test Photos

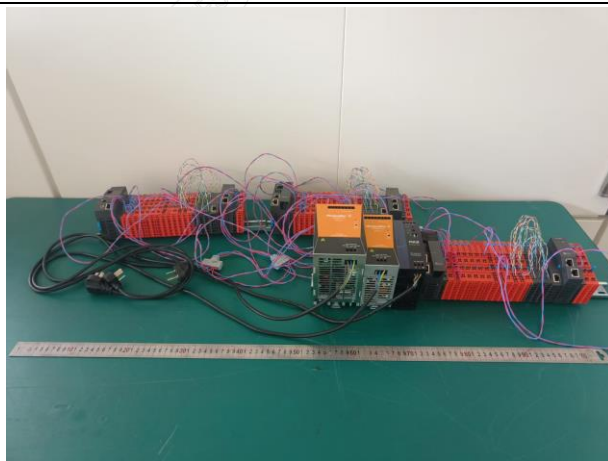


Fig.5-1Samples before test



Fig.5-2Sample placement

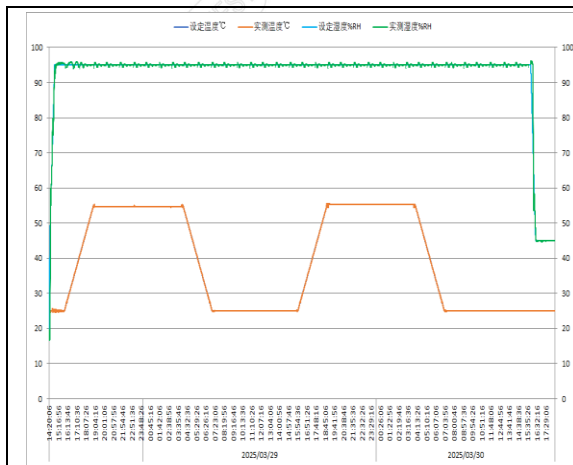


Fig.5-3 Test curve

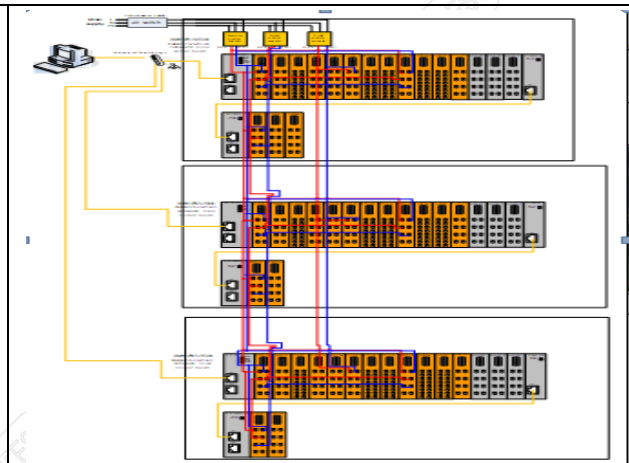


Fig.5-4 LXS system environment test configuration diagram

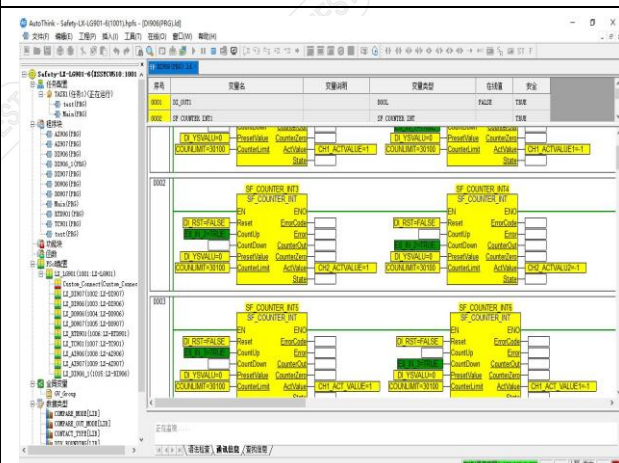


Fig.5-5 Typical test photo

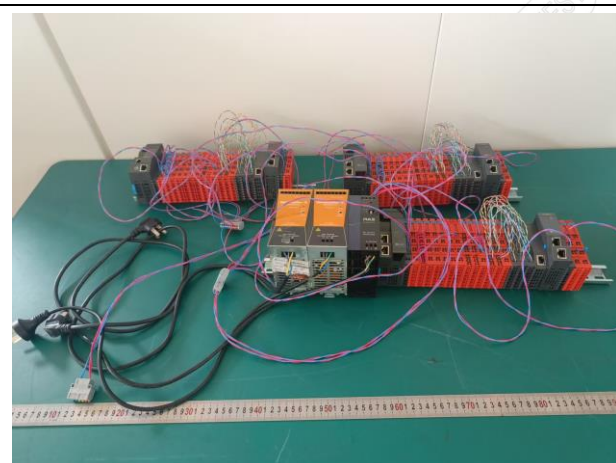


Fig.5-6 Samples after test

6 Constant damp heat (operation)

6.1 Test condition

6.1.1 Test basis: IEC 60068-2-78:2012;

6.1.2 Sample status: Electricity;

- Test temperature: $40 \pm 2^\circ\text{C}$;
- Heating rate : $1^\circ\text{C}/\text{min}$;
- Relative humidity: 93%;
- Holding time: 16h.
- Test mode: Cab.

6.2 Sample information

Sample information is shown in table 6-1.

Table 6-1 Sample information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

6.3 Sample Information

Sample information is shown in table 6-2.

Table 6-2 Sample information

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3. During the entire test process when power is on, the module functions should be normal during and after the test, and the accuracy should meet the requirements of the specification. The channel acquisition accuracy of the AI module should meet 0.3%F.S. The acquisition accuracy of the TC module should meet $\pm 3^{\circ}\text{C}\%$ F.S. The acquisition accuracy of the RTD module should meet: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); The collected values of the DI module channel should have no jumps. 4. When the whole test process is powered on, during and after the module test, the module functions should be normally, the accuracy should be meets the requirements of the specification, the AO module should be channel signal should be normal, and the DO module output signal should be free of error. 5. During the test, the IEC operation of the controller module should be normal, the communication between the controller should be normal, the communication between the controller and the I/O module should be normal, the data uploaded in AT is correct, and there should be no error data input or output; 6. During the test, the power module should has no fault indication, and AT should has no offline event record due to power loss of IO module. 7. The IO module should has no abnormal alarm during the test; 8. During the experiment, the switch should has no fault indication, and AT should has no controller offline event record.

6.4 Test Result

The test result is shown in Table 6-3.

Table 6-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. During the entire process of the test, when the power is continuously on, the module function is normal during and after the test, and the accuracy meets the requirements of the specification. The AI module channel acquisition accuracy meets 0.3% F.S; the TC module acquisition accuracy meets $\pm 3^{\circ}\text{C}\%$ F.S; and the RTD module acquisition accuracy meets: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); there is no jump in the collected value of the DI module channel. 4. When the whole test process is powered on, during and after the module test, the module functions normally, the accuracy meets the requirements of the specification, the AO module channel signal is normal, and the DO module output signal is free of error. 5. During the test, the IEC operation of the controller module is normal, the communication between the controller is normal, the communication between the controller and the I/O module is normal, the data uploaded in AT is correct, and there is no error data input or output; 6. During the test, the power module has no fault indication, and AT has no offline event record due to power loss of IO module. 7. The IO module has no abnormal alarm during the test; 8. During the experiment, the switch has no fault indication, and AT has no controller offline event record.	Meet the requirements

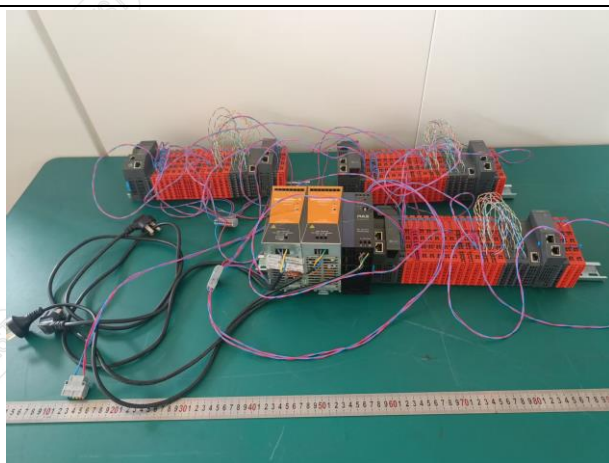
6.5 Test Photos

Fig.6-1 Samples before test



Fig.6-2 Sample placement

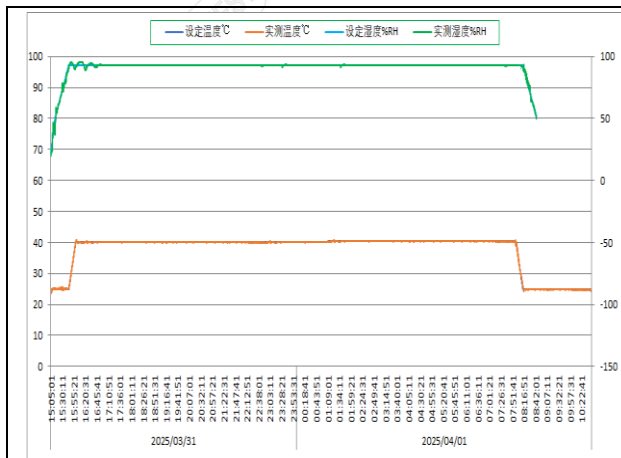


Fig.6-3 Test curve

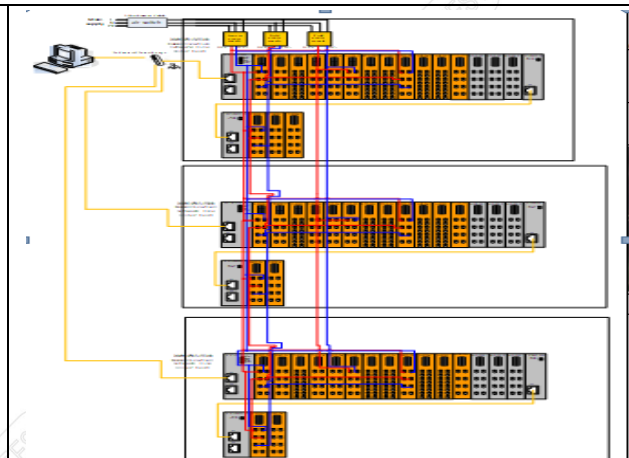


Fig.6-4 LXS system environment test configuration diagram

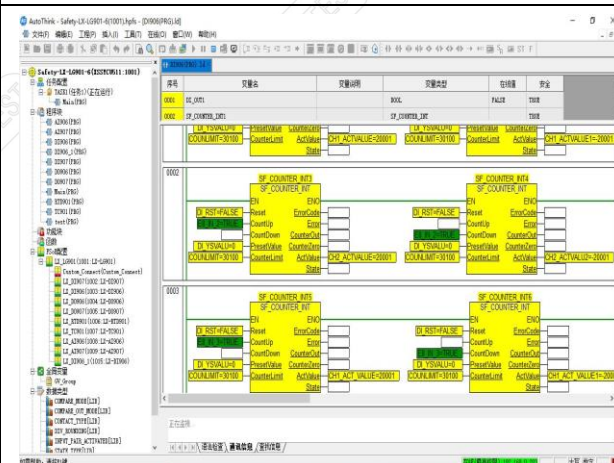


Fig.6-5 Typical test photo

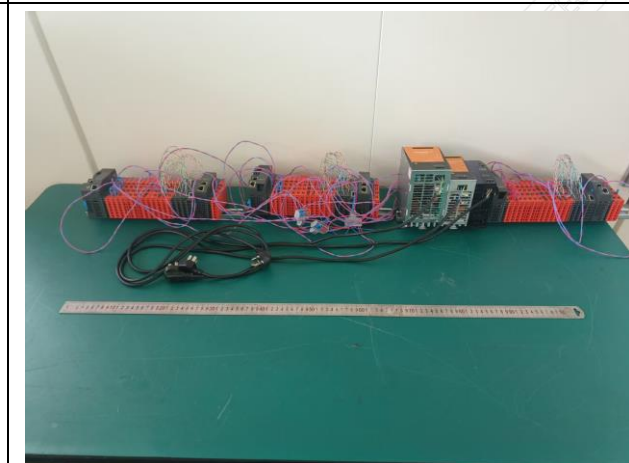


Fig.6-6 Samples after test

7 Temperature shock (temperature change resistance test)

7.1 Test condition

7.1.1 Test basis: IEC 60068-2-14:2009;

7.1.2 Sample status: Sample power-off;

- Test low temperature: $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$;
- Test high temperature: $+70^{\circ}\text{C} \pm 2^{\circ}\text{C}$;
- Rise and drop temperature conversion time: 3min;
- Holding time: $3\text{h} \pm 0.5\text{h}$ at high and low temperature respectively;
- Number of cycles: 5 times;

- f) Test mode: Na;
- g) The recovery time must be ≥ 1 hour;
- h) After the test, perform a power-on test.

7.2 Sample information

Sample information is shown in table 7-1.

Table 7-1 Sample Information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

7.3 Test Requirements

According to the client's requirements, test requirements are shown in Table7-2

Table 7-2 Examination Requirement

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3.When the power is not applied during the whole test process, after the module test, the module functions should be normally, and the accuracy should be meets the requirements of the specification. The channel accuracy of the AI modules should be meets 0.3% F. S, and the DO output has should be no error, and the acquisition value of the DI module channel should has no jump.

7.4 Test Result

The test result is shown in Table 7-3.

Table 7-3 Test Result

Test No.	Test item	Test result	Conclusion
H202503245208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. When the power is not applied during the whole test process, after the module test, the module functions normally, and the accuracy meets the requirements of the specification. The channel accuracy of the AI modules meets 0.3% F. S, and the DO output has no error, and the acquisition value of the DI module channel has no jump.	Meet the requirements

7.5 Test Photos



Fig.7-1Samples before test

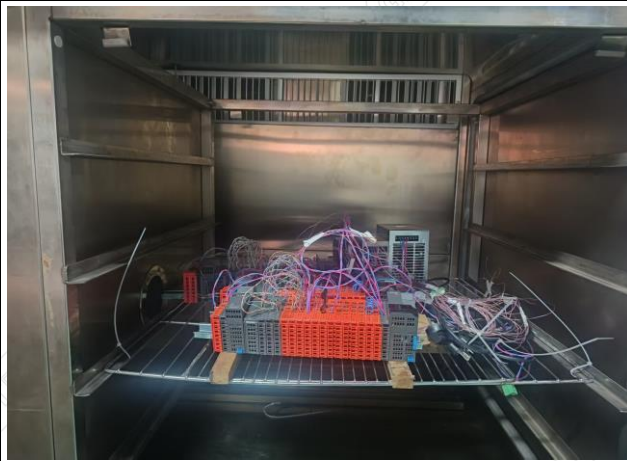


Fig.7-2Sample placement

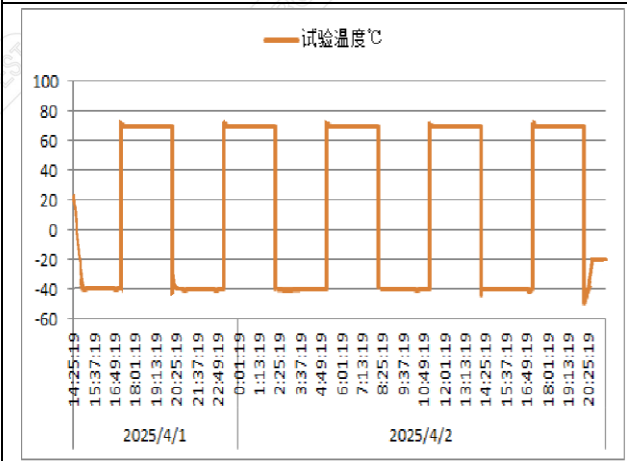


Fig.7-3Test curve

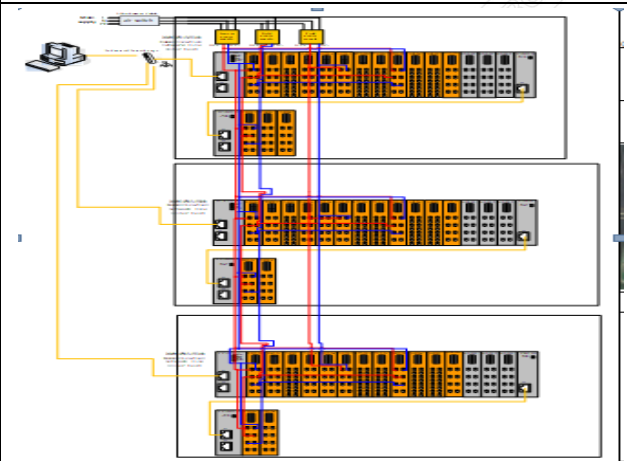


Fig.7-4LXS system environment test configuration diagram

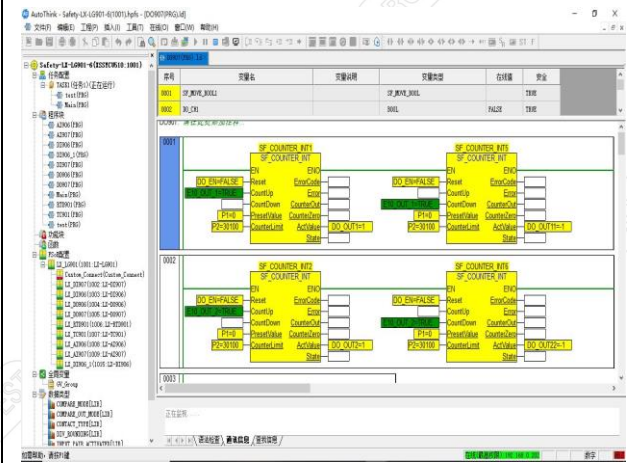


Fig.7-5Typical test photo

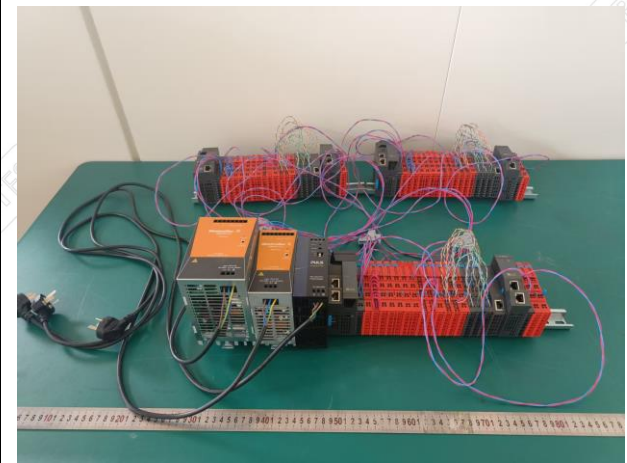


Fig.7-6Samples after test

8 Temperature cycle (resistance to temperature change test)

8.1 Test condition

8.1.1 Test basis: IEC 60068-2-14:2009;

8.1.2 Sample status: Electricity;

- a) Low temperature: $-20^{\circ}\text{C}\pm 2^{\circ}\text{C}$;
- b) High temperature: $60^{\circ}\text{C}\pm 2^{\circ}\text{C}$;
- c) Temperature change rate: $3^{\circ}\text{C}/\text{min}$;
- d) Holding time: high and low temperature (3 ± 0.5) h;
- e) Number of cycles: 2 times;
- f) Test mode: Nb.

8.2 Sample information

Sample information is shown in table 8-1.

Table 8-1 Sample information

Sample Name	Sample type	sample quantity	Test No.
LXS Control System	LXS	1	H202503245208-0001

8.3 Sample Information

Sample information is shown in table 8-2.

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Table 8-2 Sample information

Serial number	Test item	Examination requirement
1	Appearance evaluation	1.Before, during, and after the module test, the module appearance should be free from rust, paint peeling, and other damage; plastic parts should be free from bubbles, cracks, deformation, and overflow of filling materials; text and markings should be clear.
2	Function evaluation	2. After all tests, it shall be able to start normally, function and performance tests shall meet the requirements, and the indicator light shall be normal. 3. During the entire test process when power is on, the module functions should be normal during and after the test, and the accuracy should meet the requirements of the specification. The channel acquisition accuracy of the AI module should meet 0.3%F.S. The acquisition accuracy of the TC module should meet $\pm 3^{\circ}\text{C}\%$ F.S. The acquisition accuracy of the RTD module should meet: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); The collected values of the DI module channel should have no jumps. 4. When the whole test process is powered on, during and after the module test, the module functions should be normally, the accuracy should be meets the requirements of the specification, the AO module should be channel signal should be normal, and the DO module output signal should be free of error. 5. During the test, the IEC operation of the controller module should be normal, the communication between the controller should be normal, the communication between the controller and the I/O module should be normal, the data uploaded in AT is correct, and there should be no error data input or output; 6. During the test, the power module should has no fault indication, and AT should has no offline event record due to power loss of IO module. 7. The IO module should has no abnormal alarm during the test; 8. During the experiment, the switch should has no fault indication, and AT should has no controller offline event record.

8.4 Test Result

The test result is shown in Table8-3.

Table 8-3 Test Result

Test No.	Test item	Test result	Conclusion
H20250324 5208-0001	Appearance evaluation	1. Before, during and after the module test, there was no damage such as rust or peeling of the coating layer on the surface of the module, and there were no bubbles, cracks, deformations or overflow of the injection material on the plastic parts. The text and signs are clear.	Meet the requirements
	Function evaluation	2. After all the tests, it can be started normally. The functional and performance tests all meet the requirements, and the indicator lights is normal. 3. During the entire process of the test, when the power is continuously on, the module function is normal during and after the test, and the accuracy meets the requirements of the specification. The AI module channel acquisition accuracy meets 0.3% F.S; the TC module acquisition accuracy meets $\pm 3^{\circ}\text{C}\%$ F.S; and the RTD module acquisition accuracy meets: $< \pm 0.5^{\circ}\text{C}$ (Pt sensors, 3-wire), $< \pm 0.9^{\circ}\text{C}$ (Ni sensors), $< 1^{\circ}\text{C}$ (Pt sensors, 2-wire); there is no jump in the collected value of the DI module channel. 4. When the whole test process is powered on, during and after the module test, the module functions normally, the accuracy meets the requirements of the specification, the AO module channel signal is normal, and the DO module output signal is free of error. 5. During the test, the IEC operation of the controller module is normal, the communication between the controller is normal, the communication between the controller and the I/O module is normal, the data uploaded in AT is correct, and there is no error data input or output;	Meet the requirements

		6. During the test, the power module has no fault indication, and AT has no offline event record due to power loss of IO module. 7. The IO module has no abnormal alarm during the test; 8. During the experiment, the switch has no fault indication, and AT has no controller offline event record.	
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8.5 Test Photos

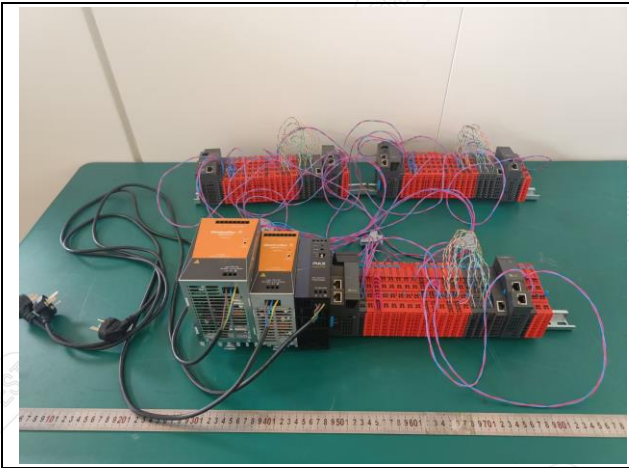


Fig.8-1Samples before test

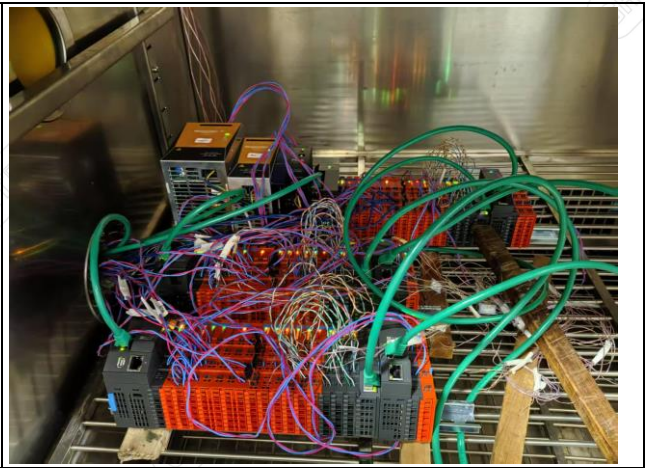


Fig.8-2Sample placement

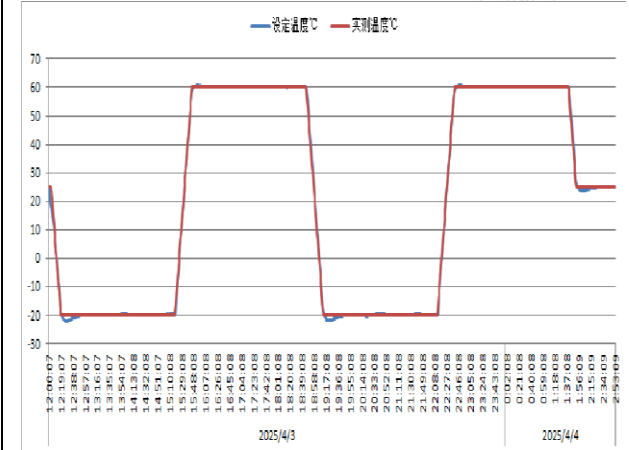


Fig.8-3Test curve

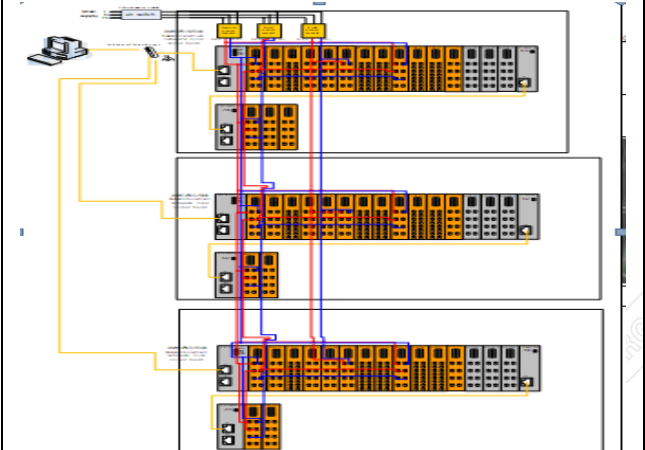


Fig.8-4LXS system environment test configuration diagram

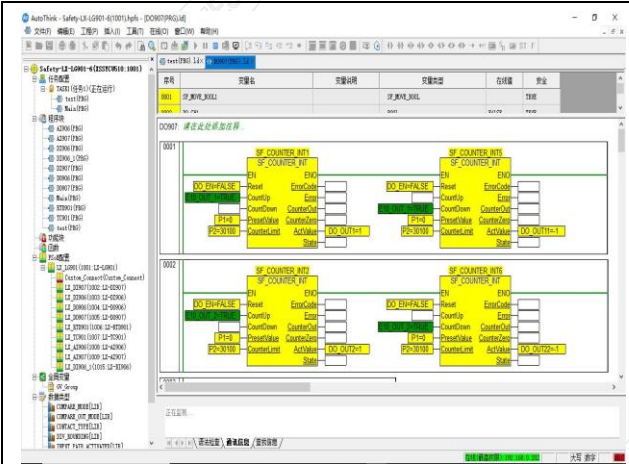


Fig.8-5Typical test photo

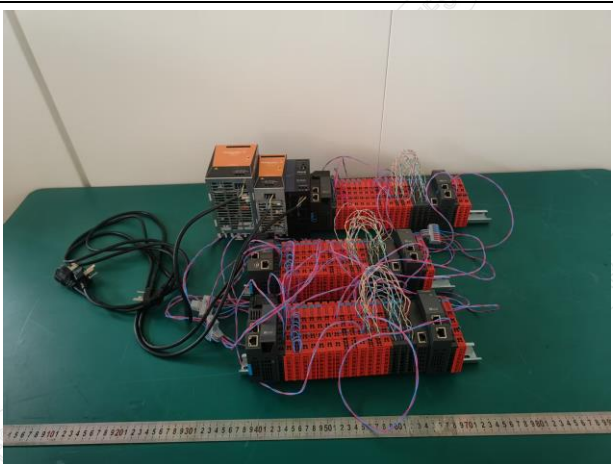


Fig.8-6Samples after test

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9 Test Instrument & Equipment

N o.	Testing Item	Instrument/Equipment	Type	Serial No.	Calibration Valid Date	Equipment manufacturer
1	Dry and cold resistance test (low temperature storage)	High and low temperature and humidity test chamber	TH710HD	NS1803 24VCAB 2-DO24 03R	2024-04-02~2025-04-01	Chongqing Haide Testing Equipment Co., LTD
2	Low temperature operation					
3	Dry heat resistance test (high temperature storage)	High and low temperature and humidity test chamber	CZ-A-1000 G	2020070 13-2	2024-05-15~2025-05-14	Guangdong Zhongzhi Testing Instrument Co., LTD
4	High temperature operation					
5	Constant damp heat (operation)					
6	Cyclic Damp Heat					
7	Temperature cycle (resistance to temperature change test)	Rapid temperature change test chamber	KWGD710 HD	KW7121 0908	2024-09-03~2025-09-02	Chongqing Haide Testing Equipment Co., LTD
8	Temperature shock (temperature change resistance test)	1 cubic meter temperature shock test chamber	TET710J II	170607	2024-06-03~2025-06-02	Chongqing Weier Testing Instrument Co., LTD

10 Auxiliary supplies and equipment

No.	Name	Model	Manufacturer	Precision	Serial number	Quantity
1	PC	DELL VOSTRO 5560	DELL	—	—	1
2	Digital multimeter	UT890C	SHENZHEN UNI-T	0.05%±3	C21407354	1
3	DC resistive load	100W 12R	—	—	—	3
4	Plug in precision metal film resistors	RJ711	718 YOUSHENG ELECTRONICS	0.01%;1/4W;±25ppm/°C	—	12
5	Precision thermistor	K Type	Shanghai Nianfei Electric	±0.5°C	—	12
6	Relay (units)	MY2N-J-24V DC	Omron	—	—	8
7	8-core shielded network cable	Category 5 Double Shielded 100Mbps Ethernet Cable	Choseal	—	—	7
8	Rail	DIN35	Hollysys	—	—	4
9	Switch	Opal8-8T-LV-LV	Kyland	—	—	1
10	24V power module	PROMAX 480W 24V 20A	Weidmuller	—	—	1

Test data of LX-CU510 controller slave AI906 module before high temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7466	7463	7447	32767	0.000579852	< 0.3% F.S
CH2	8mA	7446	7440	7447	32767	0.00021363	< 0.3% F.S
CH3	8mA	7446	7437	7447	32767	0.000305185	< 0.3% F.S
CH4	8mA	7459	7456	7447	32767	0.000366222	< 0.3% F.S
CH5	8mA	7484	7477	7447	32767	0.001129185	< 0.3% F.S
CH6	8mA	7446	7437	7447	32767	0.000305185	< 0.3% F.S

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave AI906 module after high-temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7466	7461	7447	32767	0.00057985	< 0.3% F.S
CH2	8mA	7446	7438	7447	32767	0.00027467	< 0.3% F.S
CH3	8mA	7446	7436	7447	32767	0.0003357	< 0.3% F.S
CH4	8mA	7460	7455	7447	32767	0.00039674	< 0.3% F.S
CH5	8mA	7484	7475	7447	32767	0.00112918	< 0.3% F.S
CH6	8mA	7446	7436	7447	32767	0.0003357	< 0.3% F.S

Conclusion: The test data after high-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data starting from high-temperature operation of AI906 module of LX-CU511 controller's slave station							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7469	7468	7447	32767	0.000671407	< 0.3% F.S
CH2	8mA	7466	7464	7447	32767	0.000579852	< 0.3% F.S
CH3	8mA	7467	7466	7447	32767	0.00061037	< 0.3% F.S
CH4	8mA	7473	7469	7447	32767	0.000793481	< 0.3% F.S
CH5	8mA	7456	7450	7447	32767	0.000274667	< 0.3% F.S
CH6	8mA	7468	7461	7447	32767	0.000640889	< 0.3% F.S
Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.							

Test data of high temperature operation completed by AI906 module of LX-CU511 controller's slave station							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7469	7467	7447	32767	0.00067141	< 0.3% F.S
CH2	8mA	7466	7463	7447	32767	0.00057985	< 0.3% F.S
CH3	8mA	7468	7465	7447	32767	0.00064089	< 0.3% F.S
CH4	8mA	7473	7467	7447	32767	0.00079348	< 0.3% F.S
CH5	8mA	7456	7446	7447	32767	0.00027467	< 0.3% F.S
CH6	8mA	7468	7458	7447	32767	0.00064089	< 0.3% F.S
Conclusion: The test data after high-temperature operation is normal, and the accuracy meets the requirements. Pass.							

After high-temperature storage is completed, the AI906 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7462	7458	7447	32767	0.000457778	< 0.3% F.S
CH2	8mA	7462	7453	7447	32767	0.000457778	< 0.3% F.S
CH3	8mA	7447	7439	7447	32767	0.000244148	< 0.3% F.S
CH4	8mA	7460	7457	7447	32767	0.000396741	< 0.3% F.S
CH5	8mA	7461	7457	7447	32767	0.000427259	< 0.3% F.S
CH6	8mA	7463	7460	7447	32767	0.000488296	< 0.3% F.S

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After high-temperature storage is completed, the AI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7452	7439	7447	32767	0.00024415	< 0.3% F.S
CH2	8mA	7448	7439	7447	32767	0.00024415	< 0.3% F.S
CH3	8mA	7448	7436	7447	32767	0.0003357	< 0.3% F.S
CH4	8mA	7460	7455	7447	32767	0.00039674	< 0.3% F.S
CH5	8mA	7485	7476	7447	32767	0.0011597	< 0.3% F.S
CH6	8mA	7447	7436	7447	32767	0.0003357	< 0.3% F.S

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After high-temperature storage is completed, the AI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7457	7453	7447	32767	0.000305185	< 0.3% F.S
CH2	8mA	7466	7464	7447	32767	0.000579852	< 0.3% F.S
CH3	8mA	7467	7466	7447	32767	0.00061037	< 0.3% F.S
CH4	8mA	7474	7469	7447	32767	0.000824	< 0.3% F.S
CH5	8mA	7458	7450	7447	32767	0.000335704	< 0.3% F.S
CH6	8mA	7469	7461	7447	32767	0.000671407	< 0.3% F.S

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the AI906 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7462	7459	7447	32767	0.000457778	< 0.3% F.S
CH2	8mA	7462	7454	7447	32767	0.000457778	< 0.3% F.S
CH3	8mA	7447	7440	7447	32767	0.00021363	< 0.3% F.S
CH4	8mA	7459	7457	7447	32767	0.000366222	< 0.3% F.S
CH5	8mA	7461	7458	7447	32767	0.000427259	< 0.3% F.S
CH6	8mA	7463	7460	7447	32767	0.000488296	< 0.3% F.S

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the AI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7467	7463	7447	32767	0.00061037	< 0.3% F.S
CH2	8mA	7448	7440	7447	32767	0.00021363	< 0.3% F.S
CH3	8mA	7449	7438	7447	32767	0.00027467	< 0.3% F.S
CH4	8mA	7459	7455	7447	32767	0.00036622	< 0.3% F.S
CH5	8mA	7486	7478	7447	32767	0.00119022	< 0.3% F.S
CH6	8mA	7447	7438	7447	32767	0.00027467	< 0.3% F.S

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the AI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7469	7468	7447	32767	0.000671407	< 0.3% F.S
CH2	8mA	7466	7464	7447	32767	0.000579852	< 0.3% F.S
CH3	8mA	7466	7465	7447	32767	0.000579852	< 0.3% F.S
CH4	8mA	7474	7469	7447	32767	0.000824	< 0.3% F.S
CH5	8mA	7459	7451	7447	32767	0.000366222	< 0.3% F.S
CH6	8mA	7469	7462	7447	32767	0.000671407	< 0.3% F.S

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

LX-CU500 controller slave AI906 module temperature cycle test, second cycle, 60°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7462	7457	7447	32767	0.00045778	< 0.3% F.S
CH2	8mA	7463	7450	7447	32767	0.0004883	< 0.3% F.S
CH3	8mA	7448	7437	7447	32767	0.00030519	< 0.3% F.S
CH4	8mA	7460	7455	7447	32767	0.00039674	< 0.3% F.S
CH5	8mA	7461	7455	7447	32767	0.00042726	< 0.3% F.S
CH6	8mA	7464	7459	7447	32767	0.00051881	< 0.3% F.S
Conclusion: Pass.							

LX-CU510 controller slave AI906 module temperature cycle test, first cycle, - 20℃, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7472	7463	7447	32767	0.000762963	< 0.3% F.S
CH2	8mA	7453	7440	7447	32767	0.00021363	< 0.3% F.S
CH3	8mA	7456	7437	7447	32767	0.000305185	< 0.3% F.S
CH4	8mA	7463	7456	7447	32767	0.000488296	< 0.3% F.S
CH5	8mA	7493	7477	7447	32767	0.001403851	< 0.3% F.S
CH6	8mA	7453	7437	7447	32767	0.000305185	< 0.3% F.S
Conclusion: Pass.							

[illegible]

LX-CU510 controller slave AI906 module temperature cycle test, second cycle, - 20°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7465	7464	7447	32767	0.000549333	< 0.3% F.S
CH2	8mA	7442	7441	7447	32767	0.000183111	< 0.3% F.S
CH3	8mA	7440	7438	7447	32767	0.000274667	< 0.3% F.S
CH4	8mA	7458	7457	7447	32767	0.000335704	< 0.3% F.S
CH5	8mA	7479	7478	7447	32767	0.000976592	< 0.3% F.S
CH6	8mA	7440	7438	7447	32767	0.000274667	< 0.3% F.S
Conclusion: Pass							

LX-CU510 controller slave AI906 module temperature cycle test, second cycle, 60°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7472	7462	7447	32767	0.00076296	< 0.3% F.S
CH2	8mA	7454	7437	7447	32767	0.00030519	< 0.3% F.S
CH3	8mA	7456	7437	7447	32767	0.00030519	< 0.3% F.S
CH4	8mA	7463	7456	7447	32767	0.0004883	< 0.3% F.S
CH5	8mA	7493	7474	7447	32767	0.00140385	< 0.3% F.S
CH6	8mA	7453	7435	7447	32767	0.00036622	< 0.3% F.S
Conclusion: Pass.							

LX-CU511 controller slave AI906 module temperature cycle test, first cycle, - 20°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7470	7467	7447	32767	0.000701926	< 0.3% F.S
CH2	8mA	7466	7464	7447	32767	0.000579852	< 0.3% F.S
CH3	8mA	7467	7463	7447	32767	0.00061037	< 0.3% F.S
CH4	8mA	7476	7469	7447	32767	0.000885037	< 0.3% F.S
CH5	8mA	7461	7451	7447	32767	0.000427259	< 0.3% F.S
CH6	8mA	7471	7461	7447	32767	0.000732444	< 0.3% F.S
Conclusion: Pass.							

LX-CU511 controller slave AI906 module temperature cycle test, first cycle, 60°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7470	7467	7447	32767	0.00070193	< 0.3% F.S
CH2	8mA	7466	7464	7447	32767	0.00057985	< 0.3% F.S
CH3	8mA	7467	7463	7447	32767	0.00061037	< 0.3% F.S
CH4	8mA	7476	7469	7447	32767	0.00088504	< 0.3% F.S
CH5	8mA	7461	7450	7447	32767	0.00042726	< 0.3% F.S
CH6	8mA	7471	7461	7447	32767	0.00073244	< 0.3% F.S
Conclusion: Pass.							

LX-CU511 controller slave AI906 module temperature cycle test, second cycle, - 20°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	8mA	7470	7469	7447	32767	0.000701926	< 0.3% FS
CH2	8mA	7465	7465	7447	32767	0.000549333	< 0.3% FS
CH3	8mA	7467	7466	7447	32767	0.00061037	< 0.3% FS
CH4	8mA	7470	7470	7447	32767	0.000701926	< 0.3% FS
CH5	8mA	7453	7451	7447	32767	0.000183111	< 0.3% FS
CH6	8mA	7463	7462	7447	32767	0.000488296	< 0.3% FS
Conclusion: Pass							

Test data of LX-CU500 controller slave AI907 module before low temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7454	7451	7447	32767	0.00021363	< 0.3% F.S
CH2	2.5V	7452	7449	7447	32767	0.000152593	< 0.3% F.S
CH3	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% F.S
CH4	2.5V	7457	7456	7447	32767	0.000305185	< 0.3% F.S
CH5	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7457	7447	32767	0.000335704	< 0.3% F.S

Conclusion: The test data at the beginning of low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave AI907 module after low-temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7457	7447	7447	32767	0.000305185	< 0.3% F.S
CH2	2.5V	7455	7446	7447	32767	0.000244148	< 0.3% F.S
CH3	2.5V	7457	7452	7447	32767	0.000305185	< 0.3% F.S
CH4	2.5V	7459	7454	7447	32767	0.000366222	< 0.3% F.S
CH5	2.5V	7458	7452	7447	32767	0.000335704	< 0.3% F.S
CH6	2.5V	7461	7455	7447	32767	0.000427259	< 0.3% F.S

Conclusion: The test data after low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave AI907 module before low temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH2	2.5V	7450	7447	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7447	7447	7447	32767	0	< 0.3% F.S
CH4	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH5	2.5V	7450	7449	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7452	7451	7447	32767	0.000152593	< 0.3% F.S

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave AI907 module after low-temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7452	7445	7447	32767	0.000152593	< 0.3% F.S
CH2	2.5V	7452	7445	7447	32767	0.000152593	< 0.3% F.S
CH3	2.5V	7450	7446	7447	32767	9.15555E-05	< 0.3% F.S
CH4	2.5V	7455	7451	7447	32767	0.000244148	< 0.3% F.S
CH5	2.5V	7452	7447	7447	32767	0.000152593	< 0.3% F.S
CH6	2.5V	7454	7450	7447	32767	0.00021363	< 0.3% F.S
Conclusion: The test data after low-temperature operation is normal, and the accuracy meets the requirements. Pass.							

Test data of LX-CU511 controller slave AI907 module before low temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7450	7447	32767	0.000183111	< 0.3% FS
CH2	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% FS
CH3	2.5V	7452	7452	7447	32767	0.000152593	< 0.3% FS
CH4	2.5V	7455	7453	7447	32767	0.000244148	< 0.3% FS
CH5	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% FS
CH6	2.5V	7458	7456	7447	32767	0.000335704	< 0.3% FS

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass

Test data of LX-CU511 controller slave A1907 module after low-temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S
CH2	2.5V	7453	7448	7447	32767	0.000183111	< 0.3% F.S
CH3	2.5V	7454	7450	7447	32767	0.00021363	< 0.3% F.S
CH4	2.5V	7455	7451	7447	32767	0.000244148	< 0.3% F.S
CH5	2.5V	7456	7453	7447	32767	0.000274667	< 0.3% F.S
CH6	2.5V	7458	7455	7447	32767	0.000335704	< 0.3% F.S

Conclusion: The test data after low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave AI907 module before high temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7449	7447	32767	0.000183111	< 0.3% F.S
CH2	2.5V	7451	7448	7447	32767	0.000122074	< 0.3% F.S
CH3	2.5V	7454	7453	7447	32767	0.00021363	< 0.3% F.S
CH4	2.5V	7457	7455	7447	32767	0.000305185	< 0.3% F.S
CH5	2.5V	7455	7453	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7456	7447	32767	0.000335704	< 0.3% F.S

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave AI907 module after high-temperature operation							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7448	7447	32767	0.000183111	< 0.3% F.S
CH2	2.5V	7451	7446	7447	32767	0.000122074	< 0.3% F.S
CH3	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH4	2.5V	7457	7454	7447	32767	0.000305185	< 0.3% F.S
CH5	2.5V	7455	7452	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7455	7447	32767	0.000335704	< 0.3% F.S

Conclusion: The test data after high-temperature operation is normal, and the accuracy meets the requirements. Pass

Test data starting from high-temperature operation of AI907 module of LX-CU510 controller's slave station							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7449	7446	7447	32767	6.1037E-05	< 0.3% F.S
CH2	2.5V	7448	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH3	2.5V	7447	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH4	2.5V	7453	7452	7447	32767	0.000183111	< 0.3% F.S
CH5	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S
Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.							

Test data of high temperature operation completed by AI907 module of LX-CU510 controller's slave station							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7449	7446	7447	32767	6.1037E-05	< 0.3% F.S
CH2	2.5V	7449	7446	7447	32767	6.1037E-05	< 0.3% F.S
CH3	2.5V	7448	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH4	2.5V	7453	7452	7447	32767	0.000183111	< 0.3% F.S
CH5	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S
Conclusion: The test data after high-temperature operation is normal and the accuracy meets the requirements. Pass.							

Test data starting from high-temperature operation of AI907 module of LX-CU511 controller's slave station							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7452	7451	7447	32767	0.000152593	< 0.3% F.S
CH2	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7451	7451	7447	32767	0.000122074	< 0.3% F.S
CH4	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S
CH5	2.5V	7454	7453	7447	32767	0.00021363	< 0.3% F.S
CH6	2.5V	7456	7455	7447	32767	0.000274667	< 0.3% F.S
Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.							

After high-temperature storage is completed, the AI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S
CH2	2.5V	7451	7449	7447	32767	0.000122074	< 0.3% F.S
CH3	2.5V	7451	7451	7447	32767	0.000122074	< 0.3% F.S
CH4	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH5	2.5V	7455	7453	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7457	7456	7447	32767	0.000305185	< 0.3% F.S

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the AI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7455	7450	7447	32767	0.000244148	< 0.3% F.S
CH2	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7455	7453	7447	32767	0.000244148	< 0.3% F.S
CH4	2.5V	7457	7455	7447	32767	0.000305185	< 0.3% F.S
CH5	2.5V	7455	7453	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7456	7447	32767	0.000335704	< 0.3% F.S

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the AI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7451	7447	7447	32767	0.000122074	< 0.3% F.S
CH2	2.5V	7450	7446	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7447	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH4	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH5	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave AI907 module after constant damp heat							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7449	7445	7447	32767	6.1037E-05	< 0.3% F.S
CH2	2.5V	7449	7445	7447	32767	6.1037E-05	< 0.3% F.S
CH3	2.5V	7448	7445	7447	32767	6.1037E-05	< 0.3% F.S
CH4	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S
CH5	2.5V	7450	7447	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S

Conclusion: The test data after constant damp heat is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave AI907 module before constant damp heat							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7451	7451	7447	32767	0.000122074	< 0.3% F.S
CH2	2.5V	7448	7448	7447	32767	3.05185E-05	< 0.3% F.S
CH3	2.5V	7450	7450	7447	32767	9.15555E-05	< 0.3% F.S
CH4	2.5V	7451	7451	7447	32767	0.000122074	< 0.3% F.S
CH5	2.5V	7453	7453	7447	32767	0.000183111	< 0.3% F.S
CH6	2.5V	7455	7455	7447	32767	0.000244148	< 0.3% F.S

Conclusion: The test data at the beginning of constant damp heat is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave AI907 module after constant damp heat							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7452	7446	7447	32767	0.000152593	< 0.3% F.S
CH2	2.5V	7450	7448	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S
CH4	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S
CH5	2.5V	7454	7453	7447	32767	0.00021363	< 0.3% F.S
CH6	2.5V	7456	7455	7447	32767	0.000274667	< 0.3% F.S

Conclusion: The test data after constant damp heat is normal, and the accuracy meets the requirements. Pass.

After temperature shock is completed, the AI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7455	7451	7447	32767	0.000244148	< 0.3% F.S
CH2	2.5V	7453	7449	7447	32767	0.000183111	< 0.3% F.S
CH3	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% F.S
CH4	2.5V	7457	7456	7447	32767	0.000305185	< 0.3% F.S
CH5	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7457	7447	32767	0.000335704	< 0.3% F.S
Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.							

After temperature shock is completed, the AI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7450	7447	7447	32767	9.15555E-05	< 0.3% F.S
CH2	2.5V	7450	7447	7447	32767	9.15555E-05	< 0.3% F.S
CH3	2.5V	7447	7447	7447	32767	0	< 0.3% F.S
CH4	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH5	2.5V	7450	7449	7447	32767	9.15555E-05	< 0.3% F.S
CH6	2.5V	7453	7451	7447	32767	0.000183111	< 0.3% F.S

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

After temperature shock is completed, the AI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7453	7452	7447	32767	0.000183111	< 0.3% F.S
CH2	2.5V	7452	7450	7447	32767	0.000152593	< 0.3% F.S
CH3	2.5V	7452	7452	7447	32767	0.000152593	< 0.3% F.S
CH4	2.5V	7455	7452	7447	32767	0.000244148	< 0.3% F.S
CH5	2.5V	7455	7454	7447	32767	0.000244148	< 0.3% F.S
CH6	2.5V	7458	7456	7447	32767	0.000335704	< 0.3% F.S

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

LX-CU500 controller slave AI907 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7459	7448	7447	32767	0.000366222	< 0.3% F.S
CH2	2.5V	7457	7447	7447	32767	0.000305185	< 0.3% F.S
CH3	2.5V	7457	7453	7447	32767	0.000305185	< 0.3% F.S
CH4	2.5V	7560	7455	7447	32767	0.003448592	< 0.3% F.S
CH5	2.5V	7458	7453	7447	32767	0.000335704	< 0.3% F.S
CH6	2.5V	7461	7456	7447	32767	0.000427259	< 0.3% F.S

Conclusion: Pass.

LX-CU500 controller slave AI907 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7459	7448	7447	32767	0.000366222	< 0.3% F.S
CH2	2.5V	7457	7447	7447	32767	0.000305185	< 0.3% F.S
CH3	2.5V	7457	7453	7447	32767	0.000305185	< 0.3% F.S
CH4	2.5V	7460	7454	7447	32767	0.000396741	< 0.3% F.S
CH5	2.5V	7458	7452	7447	32767	0.000335704	< 0.3% F.S
CH6	2.5V	7461	7455	7447	32767	0.000427259	< 0.3% F.S

Conclusion: Pass.

Conclusion: Pass.

Conclusion: Pass.

Conclusion: Pass.

Conclusion: Pass.

LX-CU510 controller slave AI907 module temperature cycle test, second cycle, - 20°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7447	7447	7447	32767	0	< 0.3% F.S
CH2	2.5V	7446	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH3	2.5V	7446	7446	7447	32767	3.05185E-05	< 0.3% F.S
CH4	2.5V	7452	7452	7447	32767	0.000152593	< 0.3% F.S
CH5	2.5V	7448	7448	7447	32767	3.05185E-05	< 0.3% F.S
CH6	2.5V	7451	7450	7447	32767	0.000122074	< 0.3% F.S

Conclusion: Pass.

LX-CU510 controller slave AI907 module temperature cycle test, second cycle, 60°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7452	7446	7447	32767	0.000152593	< 0.3% F.S
CH2	2.5V	7452	7445	7447	32767	0.000152593	< 0.3% F.S
CH3	2.5V	7450	7446	7447	32767	9.15555E-05	< 0.3% F.S
CH4	2.5V	7456	7452	7447	32767	0.000274667	< 0.3% F.S
CH5	2.5V	7452	7447	7447	32767	0.000152593	< 0.3% F.S
CH6	2.5V	7454	7450	7447	32767	0.00021363	< 0.3% F.S

Conclusion: Pass.

LX-CU511 controller slave AI907 module temperature cycle test, first cycle, - 20°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH2	2.5V	7454	7449	7447	32767	0.00021363	< 0.3% F.S
CH3	2.5V	7455	7451	7447	32767	0.000244148	< 0.3% F.S
CH4	2.5V	7456	7452	7447	32767	0.000274667	< 0.3% F.S
CH5	2.5V	7457	7454	7447	32767	0.000305185	< 0.3% F.S
CH6	2.5V	7459	7456	7447	32767	0.000366222	< 0.3% F.S

Conclusion: Pass.

LX-CU511 controller slave AI907 module temperature cycle test, first cycle, 60°C, 3h, test data							
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Full scale code value	Accuracy	Qualification criteria
CH1	2.5V	7454	7452	7447	32767	0.00021363	< 0.3% F.S
CH2	2.5V	7454	7449	7447	32767	0.00021363	< 0.3% F.S
CH3	2.5V	7455	7451	7447	32767	0.000244148	< 0.3% F.S
CH4	2.5V	7456	7452	7447	32767	0.000274667	< 0.3% F.S
CH5	2.5V	7457	7453	7447	32767	0.000305185	< 0.3% F.S
CH6	2.5V	7459	7456	7447	32767	0.000366222	< 0.3% F.S

Conclusion: Pass.

After low-temperature storage is completed, the RTD901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86551	86548	86540	0.11	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86548	86544	86540	0.08	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After low-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave RTD901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86555	86551	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86555	86551	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave RTD901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86555	86544	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86541	86537	86540	0.03	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7763	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7763	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave RTD901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86572	86562	86540	0.32	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86562	86558	86540	0.22	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7765	7766	0.02	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7768	7766	0.02	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave RTD901 module after low-temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86537	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86565	86534	86540	0.25	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7771	7755	7766	0.11	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7771	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data after low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave RTD901 module after low-temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86555	86541	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86551	86531	86540	0.11	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7757	7766	0.09	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data after low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave RTD901 module after low-temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86555	86541	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86551	86531	86540	0.11	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7757	7766	0.09	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data after low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave RTD901 module before high temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86551	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86555	86548	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7763	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data at the beginning of high-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave RTD901 module before high temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86548	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86541	86540	0.04	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

After high-temperature storage is completed, the RTD901 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86562	86558	86540	0.22	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86562	86555	86540	0.22	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7776	7763	7766	0.1	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R			7766	77.66	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After high-temperature storage is completed, the RTD901 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86565	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86565	86562	86540	0.25	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7768	7766	0.02	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7765	7766	0.02	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After high-temperature storage is completed, the RTD901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86551	86544	86540	0.11	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86537	86540	0.04	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the RTD901 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86551	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86558	86551	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7773	7763	7766	0.07	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7773	7765	7766	0.07	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the RTD901 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86562	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86565	86562	86540	0.25	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7765	7766	0.02	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After temperature shock is completed, the RTD901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86555	86544	86540	0.15	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86541	86541	86540	0.01	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7763	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7763	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

LX-CU500 controller slave RTD901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86565	86561	86540	0.25	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86563	86562	86540	0.23	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7767	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7752	7747	7766	0.19	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU500 controller slave RTD901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86562	86558	86540	0.22	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86562	86558	86540	0.22	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave RTD901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86534	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86524	86540	0.16	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7755	7766	0.11	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7757	7766	0.09	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave RTD901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86548	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86541	86540	0.04	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7765	7766	0.01	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave RTD901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86575	86551	86540	0.35	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86568	86558	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7760	7750	7766	0.16	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave RTD901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86562	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86568	86562	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7771	7768	7766	0.05	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7768	7766	0.02	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU500 controller slave RTD901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86562	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86565	86558	86540	0.25	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7754	7747	7766	0.19	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU500 controller slave RTD901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86558	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86568	86558	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7771	7763	7766	0.05	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7768	7758	7766	0.08	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave RTD901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86534	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86524	86540	0.16	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7755	7766	0.11	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7757	7766	0.09	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave RTD901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86558	86537	86540	0.18	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86544	86531	86540	0.09	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7765	7757	7766	0.09	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7765	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave RTD901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86575	86551	86540	0.35	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86568	86555	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7760	7766	0.06	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7760	7750	7766	0.16	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave RTD901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	395R	86568	86544	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH2	395R	86568	86548	86540	0.28	$< \pm 0.5^{\circ}\text{C}$
CH3	1300R	7768	7763	7766	0.03	$< \pm 0.5^{\circ}\text{C}$
CH4	1300R	7771	7768	7766	0.05	$< \pm 0.5^{\circ}\text{C}$

Conclusion: Pass.

4) TC901module data

After low-temperature storage is completed, the TC901 module of the LX-CU500 controller's slave station is restored to 25 °C test data						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2471	2427	2500	0.73	< ±3°C
CH2	25	2488	2437	2500	0.63	< ±3°C
CH3	25	2496	2446	2500	0.54	< ±3°C
CH4	25	2481	2434	2500	0.66	< ±3°C
Conclusion: After low-temperature storage, the test data is normal and the accuracy meets the requirements. Pass						

After low-temperature storage is completed, the TC901 module of the LX-CU511 controller's slave station is restored to 25 °C test data						
Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2488	2444	2500	0.56	$< \pm 3^{\circ}\text{C}$
CH2	25	2456	2422	2500	0.78	$< \pm 3^{\circ}\text{C}$
CH3	25	2476	2444	2500	0.56	$< \pm 3^{\circ}\text{C}$
CH4	25	2466	2437	2500	0.63	$< \pm 3^{\circ}\text{C}$
Conclusion: After low-temperature storage, the test data is normal and the accuracy meets the requirements. Pass						

After low-temperature storage is completed, the TC901 module of the LX-CU510 controller's slave station is restored to 25 °C test data						
Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2466	2424	2500	0.76	$< \pm 3^{\circ}\text{C}$
CH2	25	2493	2456	2500	0.44	$< \pm 3^{\circ}\text{C}$
CH3	25	2493	2449	2500	0.51	$< \pm 3^{\circ}\text{C}$
CH4	25	2496	2466	2500	0.34	$< \pm 3^{\circ}\text{C}$
Conclusion: After low-temperature storage, the test data is normal and the accuracy meets the requirements. Pass						

Test data of LX-CU500 controller slave TC901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2493	2414	2500	0.86	$< \pm 3^{\circ}\text{C}$
CH2	25	2513	2429	2500	0.71	$< \pm 3^{\circ}\text{C}$
CH3	25	2511	2437	2500	0.63	$< \pm 3^{\circ}\text{C}$
CH4	25	2493	2424	2500	0.76	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave TC901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2486	2414	2500	0.86	$< \pm 3^{\circ}\text{C}$
CH2	25	2513	2449	2500	0.51	$< \pm 3^{\circ}\text{C}$
CH3	25	2513	2439	2500	0.61	$< \pm 3^{\circ}\text{C}$
CH4	25	2516	2444	2500	0.56	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave TC901 module before low temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2501	2439	2500	0.61	$< \pm 3^{\circ}\text{C}$
CH2	25	2481	2412	2500	0.88	$< \pm 3^{\circ}\text{C}$
CH3	25	2493	2427	2500	0.73	$< \pm 3^{\circ}\text{C}$
CH4	25	2488	2422	2500	0.78	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of low-temperature operation is normal and the accuracy meets the requirements. Pass.

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-2100	-2123	-2000	1.23	< ±3°C
CH2	-20	-2118	-2134	-2000	1.34	< ±3°C
CH3	-20	-2115	-2134	-2000	1.34	< ±3°C
CH4	-20	-2105	-2136	-2000	1.36	< ±3°C

Conclusion: The test data after low-temperature operation is normal, and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave TC901 module after low-temperature operation						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-2157	-2186	-2000	1.86	$< \pm 3^{\circ}\text{C}$
CH2	-20	-2110	-2131	-2000	1.31	$< \pm 3^{\circ}\text{C}$
CH3	-20	-2115	-2136	-2000	1.36	$< \pm 3^{\circ}\text{C}$
CH4	-20	-2123	-2147	-2000	1.47	$< \pm 3^{\circ}\text{C}$
Conclusion: The test data after low-temperature operation is normal and the accuracy meets the requirements. Pass.						

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-2100	-2121	-2000	1.21	$< \pm 3^{\circ}\text{C}$
CH2	-20	-2107	-2131	-2000	1.31	$< \pm 3^{\circ}\text{C}$
CH3	-20	-2110	-2131	-2000	1.31	$< \pm 3^{\circ}\text{C}$
CH4	-20	-2107	-2134	-2000	1.34	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data after low-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave TC901 module before high temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2520	2513	2500	0.2	$< \pm 3^{\circ}\text{C}$
CH2	25	2535	2525	2500	0.35	$< \pm 3^{\circ}\text{C}$
CH3	25	2530	2525	2500	0.3	$< \pm 3^{\circ}\text{C}$
CH4	25	2530	2528	2500	0.3	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave TC901 module before high temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2550	2528	2500	0.5	$< \pm 3^{\circ}\text{C}$
CH2	25	2592	2587	2500	0.92	$< \pm 3^{\circ}\text{C}$
CH3	25	2587	2582	2500	0.87	$< \pm 3^{\circ}\text{C}$
CH4	25	2580	2580	2500	0.8	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave TC901 module after high-temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5953	5919	6000	0.81	$< \pm 3^{\circ}\text{C}$
CH2	60	5980	5943	6000	0.57	$< \pm 3^{\circ}\text{C}$
CH3	60	5987	5953	6000	0.47	$< \pm 3^{\circ}\text{C}$
CH4	60	5997	5980	6000	0.2	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data after high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU510 controller slave TC901 module after high-temperature operation

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	6050	6009	6000	0.5	$< \pm 3^{\circ}\text{C}$
CH2	60	6118	6074	6000	1.18	$< \pm 3^{\circ}\text{C}$
CH3	60	6118	6098	6000	1.18	$< \pm 3^{\circ}\text{C}$
CH4	60	6103	6091	6000	1.03	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data after high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave TC901 module before high temperature operation						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2597	2585	2500	0.97	$< \pm 3^{\circ}\text{C}$
CH2	25	2582	2570	2500	0.82	$< \pm 3^{\circ}\text{C}$
CH3	25	2585	2575	2500	0.85	$< \pm 3^{\circ}\text{C}$
CH4	25	2585	2575	2500	0.85	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of high-temperature operation is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave TC901 module after high-temperature operation						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5961	5945	6000	0.55	$< \pm 3^{\circ}\text{C}$
CH2	60	6039	5935	6000	0.65	$< \pm 3^{\circ}\text{C}$
CH3	60	6011	5957	6000	0.43	$< \pm 3^{\circ}\text{C}$
CH4	60	6008	5938	6000	0.62	$< \pm 3^{\circ}\text{C}$
Conclusion: The test data after high-temperature operation is normal and the accuracy meets the requirements. Pass.						

After high-temperature storage is completed, the TC901 module of the LX-CU500 controller's slave station is restored to 25 °C test data						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2518	2493	2500	0.18	< ±3°C
CH2	25	2535	2518	2500	0.35	< ±3°C
CH3	25	2528	2511	2500	0.28	< ±3°C
CH4	25	2530	2511	2500	0.3	< ±3°C
Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.						

After high-temperature storage is completed, the TC901 module of the LX-CU511 controller's slave station is restored to 25 °C test data						
Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2528	2508	2500	0.28	< ±3°C
CH2	25	2533	2508	2500	0.33	< ±3°C
CH3	25	2523	2511	2500	0.23	< ±3°C
CH4	25	2548	2533	2500	0.48	< ±3°C
Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.						

After high-temperature storage is completed, the TC901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2540	2530	2500	0.4	< ±3°C
CH2	25	2572	2562	2500	0.72	< ±3°C
CH3	25	2565	2560	2500	0.65	< ±3°C
CH4	25	2595	2572	2500	0.95	< ±3°C

Conclusion: After high-temperature storage, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the TC901 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2562	2555	2500	0.62	< ±3°C
CH2	25	2592	2582	2500	0.92	< ±3°C
CH3	25	2600	2595	2500	1	< ±3°C
CH4	25	2592	2587	2500	0.92	< ±3°C

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the TC901 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2622	2572	2500	1.22	< ±3°C
CH2	25	2575	2545	2500	0.75	< ±3°C
CH3	25	2602	2562	2500	1.02	< ±3°C
CH4	25	2597	2570	2500	0.97	< ±3°C

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

After alternating damp heat is completed, the TC901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2548	2538	2500	0.48	< ±3°C
CH2	25	2595	2590	2500	0.95	< ±3°C
CH3	25	2624	2619	2500	1.24	< ±3°C
CH4	25	2592	2590	2500	0.92	< ±3°C

Conclusion: After alternating damp heat, the test data is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave TC901 module before constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2612	2503	2500	1.12	$< \pm 3^{\circ}\text{C}$
CH2	25	2590	2479	2500	0.9	$< \pm 3^{\circ}\text{C}$
CH3	25	2614	2476	2500	1.14	$< \pm 3^{\circ}\text{C}$
CH4	25	2602	2491	2500	1.02	$< \pm 3^{\circ}\text{C}$
Conclusion: The test data at the beginning of constant damp heat is normal and the accuracy meets the requirements. Pass						

Test data of LX-CU510 controller slave TC901 module before constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2639	2624	2500	1.39	$< \pm 3^{\circ}\text{C}$
CH2	25	2590	2575	2500	0.9	$< \pm 3^{\circ}\text{C}$
CH3	25	2664	2641	2500	1.64	$< \pm 3^{\circ}\text{C}$
CH4	25	2632	2619	2500	1.32	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of constant damp heat is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU511 controller slave TC901 module before constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2572	2536	2500	0.72	$< \pm 3^{\circ}\text{C}$
CH2	25	2562	2518	2500	0.62	$< \pm 3^{\circ}\text{C}$
CH3	25	2565	2538	2500	0.65	$< \pm 3^{\circ}\text{C}$
CH4	25	2595	2575	2500	0.95	$< \pm 3^{\circ}\text{C}$

Conclusion: The test data at the beginning of constant damp heat is normal and the accuracy meets the requirements. Pass.

Test data of LX-CU500 controller slave TC901 module after constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	40	4095	4073	4000	0.95	< ±3°C
CH2	40	4114	4092	4000	1.14	< ±3°C
CH3	40	4107	4085	4000	1.07	< ±3°C
CH4	40	4114	4092	4000	1.14	< ±3°C
Conclusion: The test data after constant damp heat is normal and the accuracy meets the requirements. Pass.						

Test data of LX-CU510 controller slave TC901 module after constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	40	4090	4080	4000	0.9	$< \pm 3^{\circ}\text{C}$
CH2	40	4114	4107	4000	1.14	$< \pm 3^{\circ}\text{C}$
CH3	40	4136	4121	4000	1.36	$< \pm 3^{\circ}\text{C}$
CH4	40	4117	4109	4000	1.17	$< \pm 3^{\circ}\text{C}$
Conclusion: The test data after constant damp heat is normal and the accuracy meets the requirements. Pass.						

Test data of LX-CU511 controller slave TC901 module after constant damp heat						
Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	40	4124	4114	4000	1.24	< $\pm 3^{\circ}\text{C}$
CH2	40	4102	4097	4000	1.02	< $\pm 3^{\circ}\text{C}$
CH3	40	4119	4112	4000	1.19	< $\pm 3^{\circ}\text{C}$
CH4	40	4114	4107	4000	1.14	< $\pm 3^{\circ}\text{C}$
Conclusion: The test data after constant damp heat is normal and the accuracy meets the requirements. Pass.						

After temperature shock is completed, the TC901 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2585	2528	2500	0.85	$< \pm 3^{\circ}\text{C}$
CH2	25	2570	2511	2500	0.7	$< \pm 3^{\circ}\text{C}$
CH3	25	2558	2493	2500	0.58	$< \pm 3^{\circ}\text{C}$
CH4	25	2518	2501	2500	0.18	$< \pm 3^{\circ}\text{C}$

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

After temperature shock is completed, the TC901 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2602	2572	2500	1.02	$< \pm 3^{\circ}\text{C}$
CH2	25	2548	2530	2500	0.48	$< \pm 3^{\circ}\text{C}$
CH3	25	2595	2572	2500	0.95	$< \pm 3^{\circ}\text{C}$
CH4	25	2624	2604	2500	1.24	$< \pm 3^{\circ}\text{C}$

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

After temperature shock is completed, the TC901 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Channel	Resistance value	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	25	2617	2585	2500	1.17	$< \pm 3^{\circ}\text{C}$
CH2	25	2592	2540	2500	0.92	$< \pm 3^{\circ}\text{C}$
CH3	25	2617	2558	2500	1.17	$< \pm 3^{\circ}\text{C}$
CH4	25	2572	2543	2500	0.72	$< \pm 3^{\circ}\text{C}$

Conclusion: After temperature shock, the test data is normal and the accuracy meets the requirements. Pass.

LX-CU500 controller slave TC901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-1883	-1963	-2000	1.17	< ±3°C
CH2	-20	-1968	-2015	-2000	0.32	< ±3°C
CH3	-20	-1992	-2031	-2000	0.31	< ±3°C
CH4	-20	-1922	-1955	-2000	0.78	< ±3°C

Conclusion: Pass.

LX-CU500 controller slave TC901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-1893	-1948	-2000	1.07	< ±3°C
CH2	-20	-1971	-2000	-2000	0.29	< ±3°C
CH3	-20	-2002	-2023	-2000	0.23	< ±3°C
CH4	-20	-1922	-1948	-2000	0.78	< ±3°C

Conclusion: Pass.

LX-CU510 controller slave TC901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-2157	-2171	-2000	1.71	< ±3°C
CH2	-20	-2110	-2121	-2000	1.21	< ±3°C
CH3	-20	-2118	-2128	-2000	1.28	< ±3°C
CH4	-20	-2123	-2136	-2000	1.36	< ±3°C

Conclusion: Pass.

LX-CU510 controller slave TC901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-1916	-1963	-2000	0.84	$< \pm 3^{\circ}\text{C}$
CH2	-20	-1823	-1864	-2000	1.77	$< \pm 3^{\circ}\text{C}$
CH3	-20	-1841	-1883	-2000	1.59	$< \pm 3^{\circ}\text{C}$
CH4	-20	-1846	-1883	-2000	1.54	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave TC901 module temperature cycle test, first cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-2100	-2113	-2000	1.13	$< \pm 3^{\circ}\text{C}$
CH2	-20	-2107	-2123	-2000	1.23	$< \pm 3^{\circ}\text{C}$
CH3	-20	-2110	-2123	-2000	1.23	$< \pm 3^{\circ}\text{C}$
CH4	-20	-2107	-2126	-2000	1.26	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave TC901 module temperature cycle test, second cycle, - 20°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	-20	-1836	-1922	-2000	1.64	$< \pm 3^{\circ}\text{C}$
CH2	-20	-1854	-1929	-2000	1.46	$< \pm 3^{\circ}\text{C}$
CH3	-20	-1867	-1935	-2000	1.33	$< \pm 3^{\circ}\text{C}$
CH4	-20	-1849	-1919	-2000	1.51	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU500 controller slave TC901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5870	5848	6000	1.52	$< \pm 3^{\circ}\text{C}$
CH2	60	6055	6024	6000	0.55	$< \pm 3^{\circ}\text{C}$
CH3	60	6009	5990	6000	0.1	$< \pm 3^{\circ}\text{C}$
CH4	60	5987	5968	6000	0.32	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU500 controller slave TC901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5885	5856	6000	1.44	$< \pm 3^{\circ}\text{C}$
CH2	60	6035	6010	6000	0.35	$< \pm 3^{\circ}\text{C}$
CH3	60	6020	5995	6000	0.2	$< \pm 3^{\circ}\text{C}$
CH4	60	5993	5970	6000	0.3	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave TC901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5965	5900	6000	1	$< \pm 3^{\circ}\text{C}$
CH2	60	6019	5982	6000	0.19	$< \pm 3^{\circ}\text{C}$
CH3	60	6019	5985	6000	0.19	$< \pm 3^{\circ}\text{C}$
CH4	60	6009	5963	6000	0.37	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU510 controller slave TC901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5978	5900	6000	1	$< \pm 3^{\circ}\text{C}$
CH2	60	6019	5948	6000	0.52	$< \pm 3^{\circ}\text{C}$
CH3	60	6019	5958	6000	0.42	$< \pm 3^{\circ}\text{C}$
CH4	60	6009	5963	6000	0.37	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave TC901 module temperature cycle test, first cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	6000	5965	6000	0.35	$< \pm 3^{\circ}\text{C}$
CH2	60	5992	5958	6000	0.42	$< \pm 3^{\circ}\text{C}$
CH3	60	6007	5970	6000	0.3	$< \pm 3^{\circ}\text{C}$
CH4	60	5997	5958	6000	0.42	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

LX-CU511 controller slave TC901 module temperature cycle test, second cycle, 60°C, 3h, test data

Channel	Input signal	Maximum value	Minimum value	Theoretical code value	Accuracy	Qualification criteria
CH1	60	5960	5848	6000	1.52	$< \pm 3^{\circ}\text{C}$
CH2	60	6069	5939	6000	0.69	$< \pm 3^{\circ}\text{C}$
CH3	60	6014	5939	6000	0.61	$< \pm 3^{\circ}\text{C}$
CH4	60	6000	5956	6000	0.44	$< \pm 3^{\circ}\text{C}$

Conclusion: Pass.

5) DI906 module data

After low-temperature storage is completed, the DI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the slave LX-DO906 module channel of LX-CU500 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.

After low-temperature storage is completed, the DI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the slave LX-DO906 module channel of LX-CU510 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU510 controller slave DI906 module before low temperature operation

Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU510 controller slave DI906 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module before low temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module after low-temperature operation

Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU510 controller slave DI906 module before high temperature operation

Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU510 controller slave DI906 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module before high temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

After high-temperature storage is completed, the DI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data		
Condition: 70°C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the slave LX-DO906 module channel of LX-CU500 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After high-temperature storage is completed, the DI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data		
Condition: 70°C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the slave LX-DO906 module channel of LX-CU510 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After alternating damp heat is completed, the DI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data		
Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the slave LX-DO906 module channel of LX-CU500 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After alternating damp heat is completed, the DI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the slave LX-DO906 module channel of LX-CU510 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU510 controller slave DI906 module before constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU510 controller slave DI906 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU511 controller slave DI906 module after constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

After temperature shock is completed, the DI906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the slave LX-DO906 module channel of LX-CU500 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.

After temperature shock is completed, the DI906 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the slave LX-DO906 module channel of LX-CU510 controller defaults to False. Manually configure the DO906 module output to high, i.e. TRUE, and the counter accumulates to 1.

LX-CU510 controller slave DI906 module temperature cycle test, first cycle, - 20°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU510 controller slave DI906 module temperature cycle test, first cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU510 controller slave DI906 module temperature cycle test, second cycle, - 20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU510 controller slave DI906 module temperature cycle test, second cycle, 60°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU511 controller slave DI906 module temperature cycle test, first cycle, -20°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU511 controller slave DI906 module temperature cycle test, first cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU511 controller slave DI906 module temperature cycle test, second cycle, - 20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU511 controller slave DI906 module temperature cycle test, second cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

6) DI907 module data

After low-temperature storage is completed, the DI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: -40 °C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After low-temperature storage is completed, the DI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After low-temperature storage is completed, the DI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU500 controller slave DI907 module before low temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU500 controller slave DI907 module after low-temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU510 controller slave DI907 module before low temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU510 controller slave DI907 module after low-temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU511 controller slave DI907 module before low temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU511 controller slave DI907 module after low-temperature operation		
Condition: Temperature: -20 °C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU500 controller slave DI907 module before high temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU500 controller slave DI907 module after high-temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU510 controller slave DI907 module before high temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU510 controller slave DI907 module after high-temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU511 controller slave DI907 module before high temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU511 controller slave DI907 module after high-temperature operation		
Condition: Temperature: 60°C,16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After high-temperature storage is completed, the DI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Condition: 70°C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After high-temperature storage is completed, the DI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: 70 °C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After high-temperature storage is completed, the DI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: 70°C, 16h, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After alternating damp heat is completed, the DI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After alternating damp heat is completed, the DI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

After alternating damp heat is completed, the DI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

Test data of LX-CU500 controller slave DI907 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU500 controller slave DI907 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU510 controller slave DI907 module before constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

Test data of LX-CU510 controller slave DI907 module after constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

Test data of LX-CU511 controller slave DI907 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

Test data of LX-CU511 controller slave DI907 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

After temperature shock is completed, the DI907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

After temperature shock is completed, the DI907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

After temperature shock is completed, the DI907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU500 controller slave DI907 module temperature cycle test, first cycle, -20°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU500 controller slave DI907 module temperature cycle test, first cycle, 60°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU500 controller slave DI907 module temperature cycle test, second cycle, - 20 °C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU500 controller slave DI907 module temperature cycle test, second cycle, 60 °C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU510 controller slave DI907 module temperature cycle test, first cycle, - 20°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU510 controller slave DI907 module temperature cycle test, first cycle, 60°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU510 controller slave DI907 module temperature cycle test, second cycle, - 20°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU510 controller slave DI907 module temperature cycle test, second cycle, 60 °C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU511 controller slave DI907 module temperature cycle test, first cycle, - 20°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU511 controller slave DI907 module temperature cycle test, first cycle, 60°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU511 controller slave DI907 module temperature cycle test, second cycle, - 20°C, 3h, test data

Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS

Conclusion: Pass

LX-CU511 controller slave DI907 module temperature cycle test, second cycle, 60 °C, 3h, test data		
Condition: -20°C to 60°C, power on operation, external input signal short circuit, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
CH5	1	PASS
CH6	1	PASS
CH7	1	PASS
CH8	1	PASS
Conclusion: Pass		

7) DO906module data

After low-temperature storage is completed, the DO906 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: -40 °C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.		

After low-temperature storage is completed, the DO906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO906 module before low temperature operation

Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU500 controller slave DO906 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module before low temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU500 controller slave DO906 module before high temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU500 controller slave DO906 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module before high temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

After high-temperature storage is completed, the DO906 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: 70°C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.		

After high-temperature storage is completed, the DO906 module of the LX-CU510 controller's slave station is restored to 25 °C test data		
Condition: 70°C, 16h, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.		

After alternating damp heat is completed, the DO906 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.		

After alternating damp heat is completed, the DO906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO906 module before constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

Test data of LX-CU500 controller slave DO906 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	0	PASS
CH2	0	PASS
CH3	0	PASS
CH4	0	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

Test data of LX-CU510 controller slave DO906 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 20000 pulses. If the number of pulses detected is consistent with that of DI906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	20001	PASS
CH2	20001	PASS
CH3	20001	PASS
CH4	20001	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

After temperature shock is completed the DO906 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS
Conclusion: Pass		
Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.		

After temperature shock is completed the DO906 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: -40-70 °C, 5 cycles, power off, external input signal connected to relay, abnormal action detected, counter accumulates 1, count does not increase to normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
CH3	1	PASS
CH4	1	PASS

Conclusion: Pass

Note: When powered on, the DO906 module channel defaults to False. Manually configure the DO906 module output to be high, which is TRUE, and the counter accumulates to 1.

LX-CU500 controller slave DO906 module temperature cycle test, first cycle, - 20 °C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU500 controller slave DO906 module temperature cycle test, first cycle, 60°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU500 controller slave DO906 module temperature cycle test, second cycle, -20°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU500 controller slave DO906 module temperature cycle test, second cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU510 controller slave DO906 module temperature cycle test, first cycle, - 20 °C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS
Conclusion: Pass		
Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.		

LX-CU510 controller slave DO906 module temperature cycle test, first cycle, 60°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU510 controller slave DO906 module temperature cycle test, second cycle, -20°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

LX-CU510 controller slave DO906 module temperature cycle test, second cycle, 60°C, 3h, test data

Condition: Temperature: -20°C to 60°C, power on operation, external input signal connected to relay, DO906 module outputs static low, static high, and 3600 pulses. If the number of pulses detected is consistent with that of DO906 module, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	3601	PASS
CH2	3601	PASS
CH3	3601	PASS
CH4	3601	PASS

Conclusion: Pass

Note: The DO906 output static low pulse count does not increase, while the output static high pulse count increases by 1.

8) DO907 module data

After low-temperature storage is completed, the DO907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After low-temperature storage is completed, the DO907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After low-temperature storage is completed, the DO907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: -40 °C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO907 module before low temperature operation

Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO907 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU510 controller slave DO907 module before low temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU510 controller slave DO907 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module before low temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module after low-temperature operation		
Condition: Temperature: -20 °C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU500 controller slave DO907 module before high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU500 controller slave DO907 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU510 controller slave DO907 module before high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU510 controller slave DO907 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module before high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module after high-temperature operation		
Condition: Temperature: 60°C, 16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After high-temperature storage is completed, the DO907 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: 70°C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After high-temperature storage is completed, the DO907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: 70°C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After high-temperature storage is completed, the DO907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: 70°C, 16h, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After alternating damp heat is completed, the DO907 module of the LX-CU500 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After alternating damp heat is completed, the DO907 module of the LX-CU510 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

After alternating damp heat is completed, the DO907 module of the LX-CU511 controller's slave station is restored to 25 °C test data

Condition: Temperature: 25-55 °C 2 cycles 95% RH, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO907 module before constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU500 controller slave DO907 module after constant damp heat

Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.

Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS

Conclusion: Pass

Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.

Test data of LX-CU510 controller slave DO907 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU510 controller slave DO907 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module before constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

Test data of LX-CU511 controller slave DO907 module after constant damp heat		
Condition: Temperature: 40°C, 93%RH,16h, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After temperature shock is completed, the DO907 module of the LX-CU500 controller's slave station is restored to 25 °C test data		
Condition: Temperature: -40-70 °C, 5 cycles, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After temperature shock is completed, the DO907 module of the LX-CU510 controller's slave station is restored to 25 °C test data		
Condition: Temperature: -40-70 °C, 5 cycles, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

After temperature shock is completed, the DO907 module of the LX-CU511 controller's slave station is restored to 25 °C test data		
Condition: Temperature: -40-70 °C, 5 cycles, power off, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU500 controller slave DO907 module temperature cycle test, first cycle, -20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU500 controller slave DO907 module temperature cycle test first cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU500 controller slave DO907 module temperature cycle test, second cycle, -20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU500 controller slave DO907 module temperature cycle test, second cycle, 60 °C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU510 controller slave DO907 module temperature cycle test, first cycle, -20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
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CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU510 controller slave DO907 module temperature cycle test first cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
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LX-CU510 controller slave DO907 module temperature cycle test, second cycle, - 20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
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LX-CU510 controller slave DO907 module temperature cycle test, second cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU511 controller slave DO907 module temperature cycle test, first cycle, - 20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU511 controller slave DO907 module temperature cycle test first cycle, 60°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU511 controller slave DO907 module temperature cycle test, second cycle, - 20°C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		

LX-CU511 controller slave DO907 module temperature cycle test, second cycle, 60 °C, 3h, test data		
Condition: Temperature: -20°C to 60°C, power on operation, the channel output is connected to a resistive load, the output is set to high, and the counter accumulates 1. If the count does not increase, it is considered normal.		
Channel	Accumulated count result	Judgment result
CH1	1	PASS
CH2	1	PASS
Conclusion: Pass		
Note: When powered on, the DO907 module channel defaults to False. Manually configure the DO907 module output to high, i.e. TRUE, and the counter accumulates to 1.		