

TEST REPORT

Product Name : Professional Thermal Imager

Model Number : UTi120S, UTi712S

Prepared for : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.
Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan City, Guangdong Province, China

Prepared by : EMTEK(DONGGUAN) CO., LTD.
Address : -1&2F, Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China

Tel: +86-769-22807078

Fax: +86-769-22807079

Report Number : EDG2112280004L00601R
Date(s) of Tests : December 28, 2021 to January 11, 2022
Date of issue : January 21, 2022



Test Report

Applicant : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.

Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan City, Guangdong Province, China

Manufacture : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.

Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan City, Guangdong Province, China

Factory : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.

Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan City, Guangdong Province, China

Product Name : Professional Thermal Imager

Model/Type : UTi120S, UTi712S
(Two models are similar except for software. Here select model UTi120S for full test)

Received Date : December 28, 2021

Testing Period : December 28, 2021 to January 11, 2022

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IP54 Test	IEC 60529:1989+A1:1999+A2:2013 CSV/COR2:2015	Pass

Note:
 Pass: Meet the requirements;
 Fail: Do not meet the requirements;
 N/A: Do not evaluate or provide only test results.



Tested by: Andy Duan
 Andy Duan

Tested engineer

Reviewed by: Koro Zhang
 Koro Zhang

Reviewed engineer

Test Report

1. Test Item: IP54 Test

1.1 Tested Sample:

Sample No.	Product Name	Model/Type	Quantity
E2112280004-01	Professional Thermal Imager	UTi120S	1pcs
E2112280004-02	Professional Thermal Imager	UTi120S	1pcs

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Probe D	/	ELD0138	May 28, 2022
Waterproof test chamber	GT1310B	E-R-033	April 20, 2022
Dust Tester	GT1321C	E-R-034	April 20, 2022

1.3 Environmental Conditions: Temperature: 25°C; Humidity: 56%RH

1.4 Reference Standard: IEC 60529:1989+A1:1999+A2:2013 CSV/COR2:2015

1.5 Test Conditions:

IP5X

Use the 1mm access probe to detect the opening, with the force of 1N.

Put the sample into the test box with each cubic meter of 2kg talc powder to start the test, test for 8 hours.

IPX4

After the sample is energized to a stable operating temperature, start the test:

Oscillating table radius: 400mm; number of openings: 25; pinhole diameter: 0.4mm;

Swing angle: 180° with vertical plane; total water flow: 1.8L/min;

Test time: 10 minutes

Test Report

1.6 Acceptance Criteria:

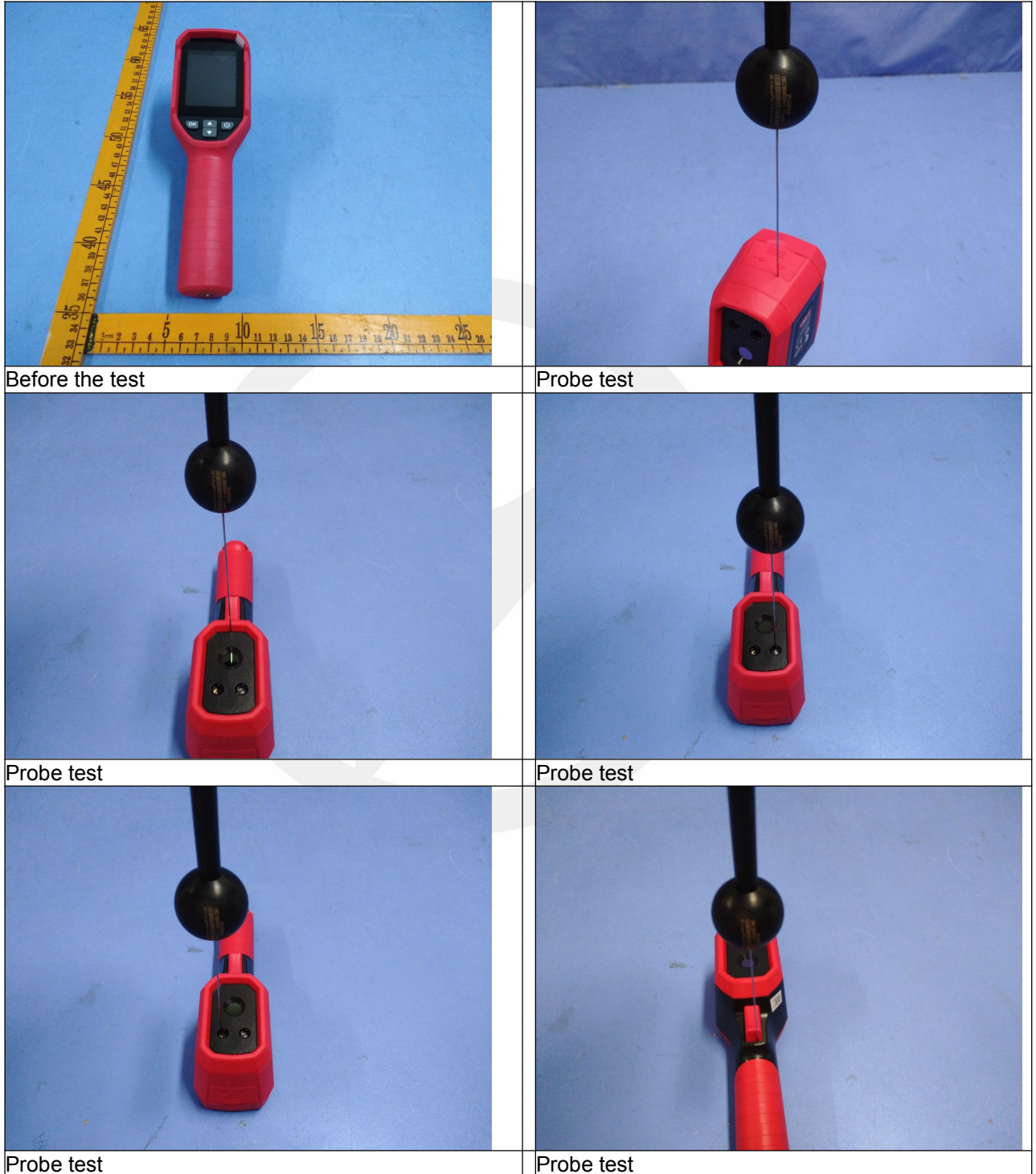
<p>IP5X: 1. The test Probe cannot enter into the interior of the sample.</p> <p>2. There is no talcum powder in the sample.</p>
<p>IPX4: The sample inside allows a small amount of water to enter, but not accumulated.</p> <p>If any water has entered, it shall not:</p> <ul style="list-style-type: none"> – be sufficient to interfere with the correct operation of the equipment or impair safety; – deposit on insulation parts where it could lead to tracking along the creepage distances; – reach live parts or windings not designed to operate when wet; – accumulate near the cable end or enter the cable if any.

1.7 Test Results:

Sample No.	Test items	Test Results	Verdict
E2112280004-01	IP5X	Test probe did not enter into the interior of the sample, There is no talcum powder in the sample.	Pass
E2112280004-02	IPX4	There was no water entered into the internal of the live parts.	Pass

Test Report

1.8 Test Photos: IP5X



Test Report



Probe test



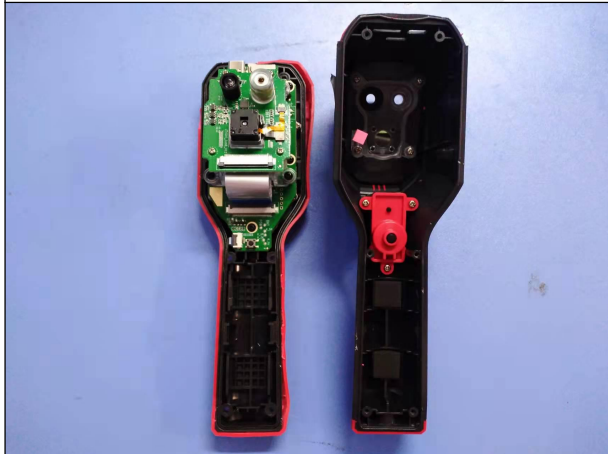
Probe test



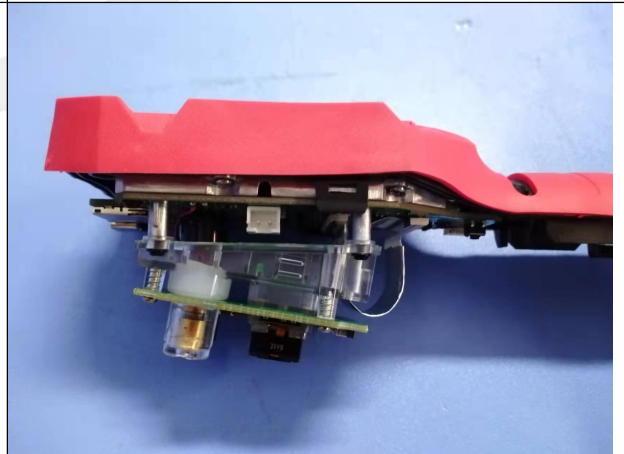
Before the test



After test



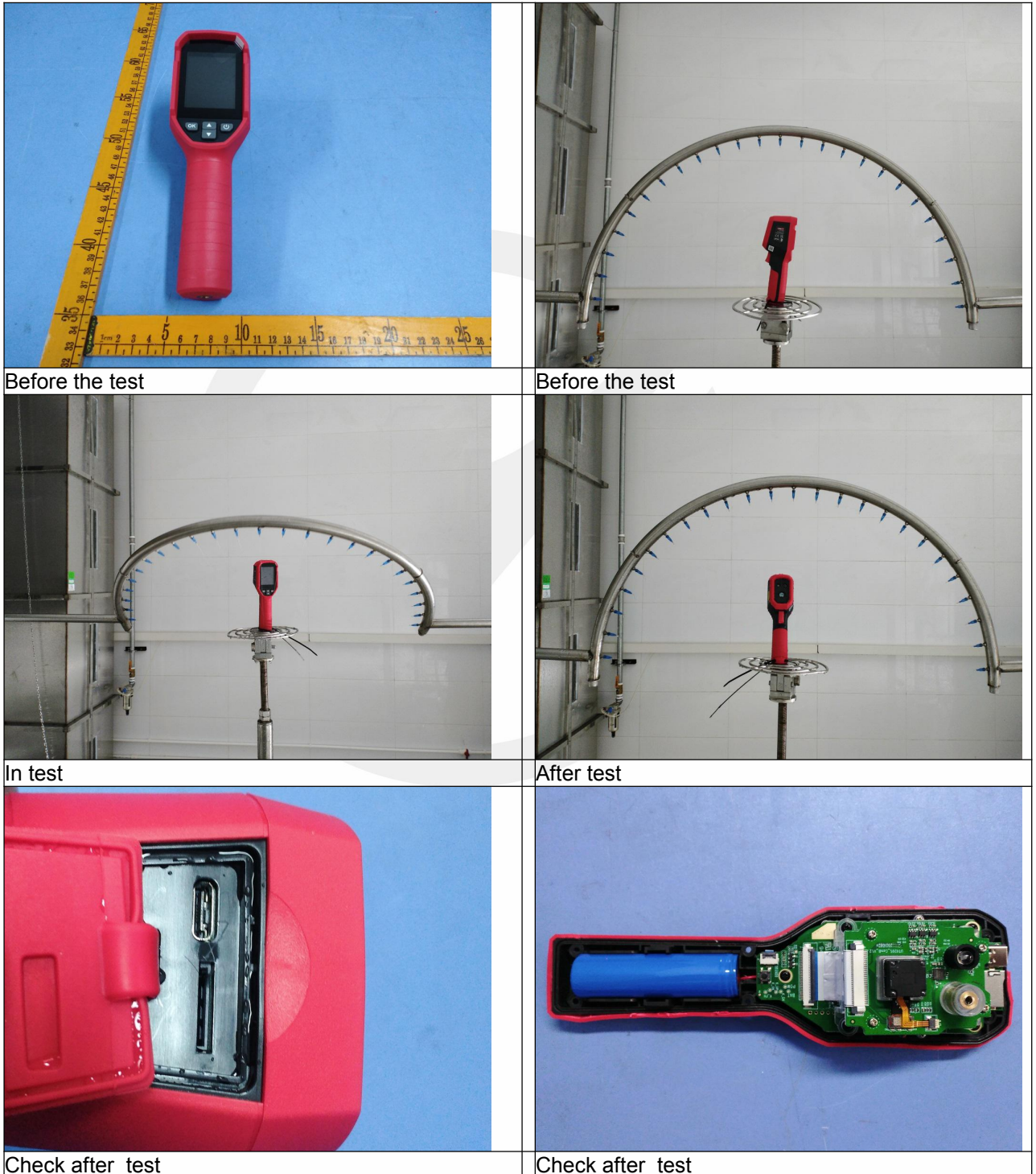
Check after test



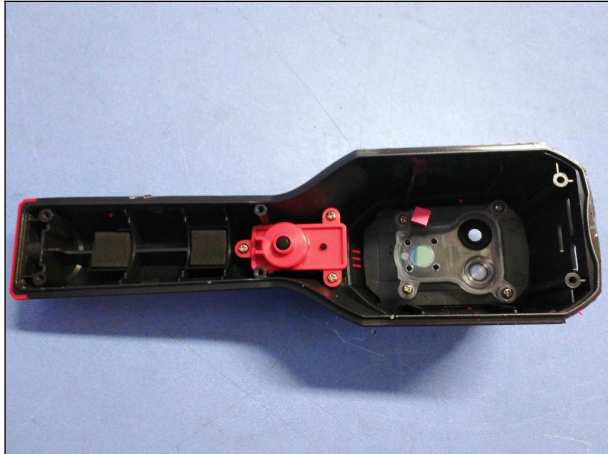
Check after test

Test Report

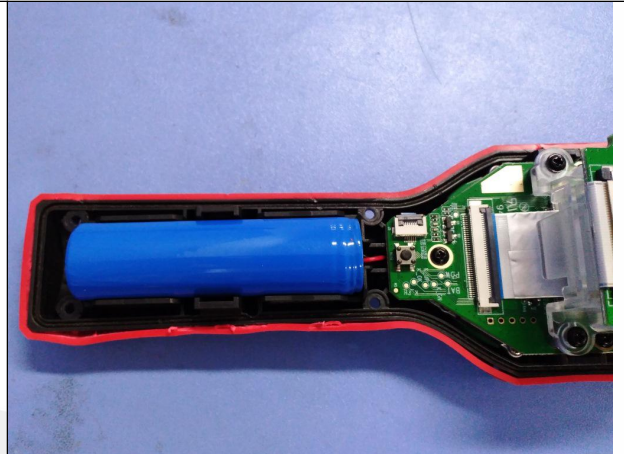
1.9 Test Photos: IPX4



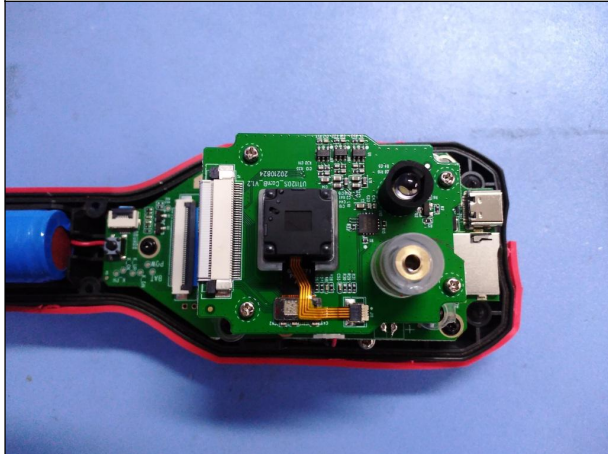
Test Report



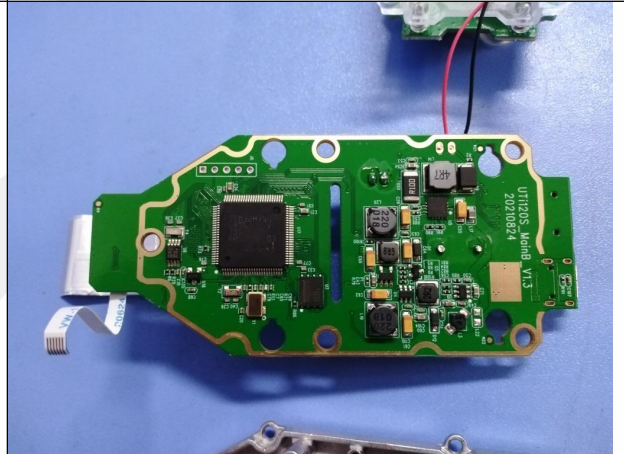
Check after test



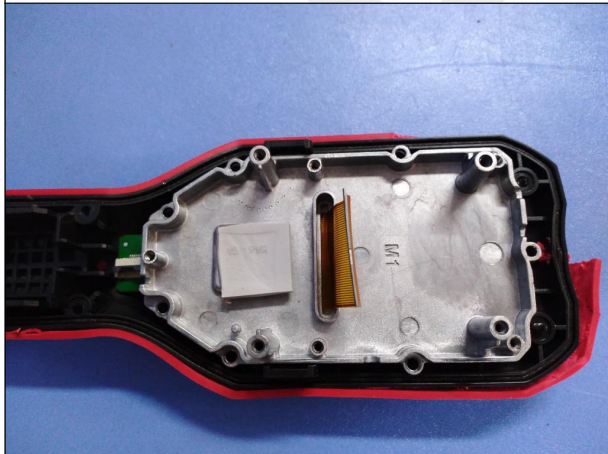
Check after test



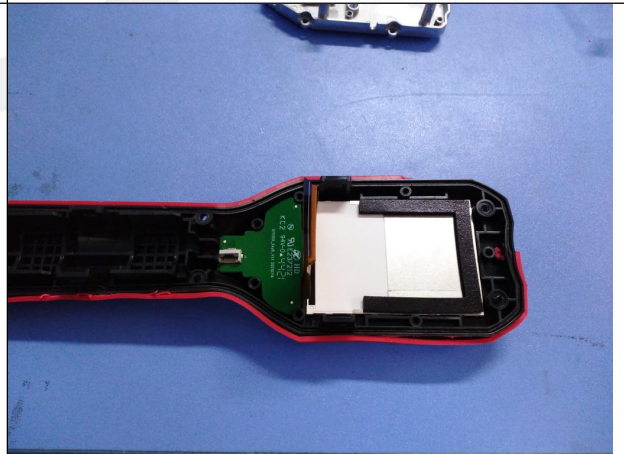
Check after test



Check after test



Check after test



Check after test

=====**End of report**=====

声明 Statement

1. 本报告无授权批准人签字及“检验报告专用章”无效；

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；

Objections shall be raised within 20 days from the date receiving the report.