



中国认可
国际互认
检测
TESTING
CNAS L5772

TEST REPORT

Report number:

PTC26080512701R-EN01

Product name:

Gas Detector

Model/Specification:

BTYQ-MS104K-S2

Test category:

Entrustment inspection

Client:

Shenzhen Eranttex Electronics Co., Ltd

Precise Testing & Certification
(Guangdong) Co., Ltd.

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan,
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Report No: PTC26080512701R-EN01

Client	Shenzhen Erantex Electronics Co., Ltd	Test category	Entrustment inspection
Client's address	7F,Building10,RunDongSheng Industrial Park,the streets of Xixiang, Baoan District, Shenzhen, Guangdong.		
Manufacturer	Shenzhen Erantex Electronics Co., Ltd		
Manufacturer's address	7F,Building10,RunDongSheng Industrial Park,the streets of Xixiang, Baoan District, Shenzhen, Guangdong.		
Sample name	Gas Detector	Model	BTYQ-MS104K-S2
Brand	/	Number of sample	1pc
Sample Received	2026-08-06	Testing Period	2026-08-07~2026-08-08
Checking and measuring environment	Temperature: 15~35℃ Humidity: 45%RH~75%RH Air pressure: 86kPa~106kPa		
Test project	IP68		
Test standard	IEC 60529:1989+A1:1999+A2:2013		
Criterion	The client's requirements (excluding inspection and testing methods)		
Test summary	The testing items entrusted this time meet the requirements of the judgment basis.		

Wrote by:

Jimmy

Date:

2026-08-13

Approved by:

Tony

Date:

2026-08-13

Authorized signatory:

Wendy

Date:

2026-08-13





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1 Test item: IP68

1.1 Test equipment(s)

Name	Model	Serial No.	Calibration validity period
Probe	D-type probe	S160-01	2026-12-23
Sand dust test chamber	GX-3080	R003-01	2027-07-28
Waterproof test machine	CX-IPX7/8	S404-01	2026-12-23

1.2 Environmental condition(s)

Temperature	23.1℃
Humidity	45%RH

1.3 Test standard:

Reference standard IEC 60529:1989+A1:1999+A2:2013

1.4 Test condition(s):

IP6X: Φ 1.0mm test probe is used to detect the gaps in the sample, with a testing force of 1N.

Place the sample in a sand dust test chamber containing 2kg of talc powder per cubic meter to begin the test. During the test, the sample is kept in a vacuum state with a maximum pressure difference of 2kPa and a suction speed less than 40 times the shell volume per hour. The test last for 8 hours.

IPX8: The lowest point of the shell is simulated by pressurization to be 1.5m below the water surface; Test duration: 40min.

1.5 Judge Criteria:

IP6X: The probe should not penetrate any openings or gaps in the sample.
Dust is not allowed to enter the sample shell and cannot affect the functionality of the sample.

IPX8: A small amount of water is allowed to enter the interior of the sample, but is not allowed to enter the electrical area.

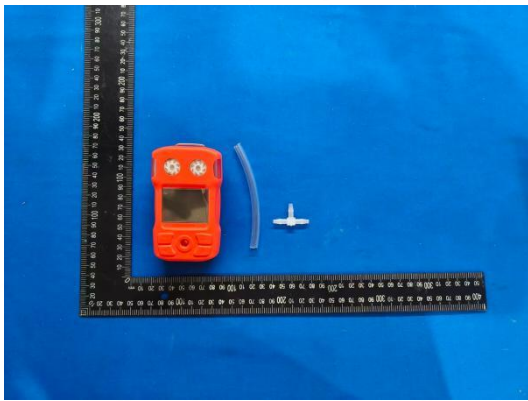
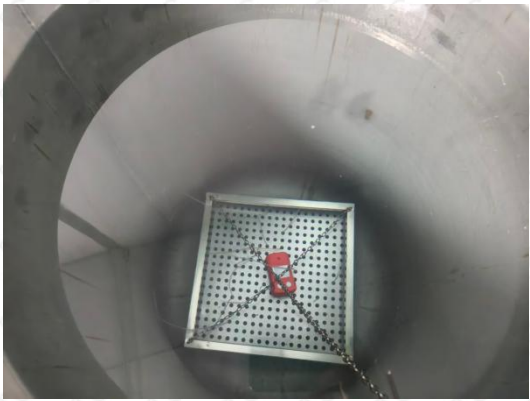


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1.6 Test Result(s):

Sample No.	Test item	Test result	Judge
PTC26080512701-1/1	IP6X	The probe cannot penetrate any openings or gaps in the sample.No dust entering;	PASS
	IPX8	After the test, Water did not enter the electrical area, Can be used normally.	

1.7 Test photo(s)

	
Before the test	IP6X Testing-1
	
IP6X Testing-2	IPX8 Testing



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****End of Report****

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