



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EPS 23.0042X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-07-20
Applicant: **Measurement Specialties (China), Ltd.**
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District
Shenzhen 518057
China
Equipment: **Wireless pressure sensor, type 6XX1N-EX**
Optional accessory:
Type of Protection: **intrinsic safety "i"**
Marking: Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Ulrich Feike

Position:

Head of Certification

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Measurement Specialties (China), Ltd.**
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Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR23.0048/00](#)

Quality Assessment Report:

[NO/DNV/QAR21.0019/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The TE wireless pressure sensor combines a sensor, data collector, digital signal processor, and radio into one compact, battery-operated device that measures pressure using Bluetooth communication protocol or Long Range WAN.

Ambient temperature range: $-30\text{ }^{\circ}\text{C} \leq T_a \leq 75\text{ }^{\circ}\text{C}$

Electrical data:

Battery powered (SAFT LS 17330), Li-SOCI₂, 3.6 V, 2.1 Ah

Interface:

Radio frequency:

Type 65X1N-EX:	Bluetooth (2.4 - 2.5 GHz)	$P_{RF_max} < 3.1\text{ mW}$
Type 69X1N-EX:	LoRa WAN Class-A (868.3 MHz + 915 MHz)	$P_{RF_max} < 4.5\text{ mW}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

The non-metallic parts incorporated in the enclosure may generate an ignition-capable level of electrostatic charge. Upon installation, care shall be taken to avoid locations where the external conditions are conducive to the build-up of high electrostatic charge on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.

The Wireless Pressure Transducers do not have an earth ground terminal. The transducers shall be earth grounded as part of the final installation.

Use only 3.6 V SAFT battery LS17330 Primary lithium-thionyl chloride (Li-SOCI₂) 2/3 A-size bobbin cell.

It is only allowed to replace the battery in non-hazardous areas.