

EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) EU - Type Examination Certificate Number

EPS 23 ATEX 1 117 X

Revision 0

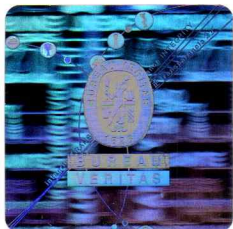
- (4) Equipment: Pressure Sensor, type 6XX1N-EX
- (5) Manufacturer: Measurement Specialties (China), Ltd.
- (6) Address: No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District
Shenzhen 518057
China
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 23TH0290.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 II 1G Ex ia IIC T4 Ga



Certification department of explosion protection

Tuerkheim, 2023-07-20

Ulrich Feike



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 23 ATEX 1 117 X**

Revision 0

(15) Description of equipment:

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.

Maximum temperature range: $-30\text{ °C} \leq T_a \leq 75\text{ °C}$

Electrical data:

Battery powered (SAFT LS 17330), Li-SOCl₂, 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)

$P_{RF_max} < 4.5\text{ mW}$

(16) Reference number: 23TH0290

(17) Special conditions for safe use:

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-SOCl₂) 2/3 A-size bobbin cell.

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

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2023-07-20

