



Certificate of Compliance

Certificate: 80179223

Master Contract: 302370

Project: 80179223

Date Issued: 2023-09-18

Issued To: Measurement Specialties (China), Ltd.
No.26, Langshan Road, Shenzhen High-Tech (North),
Nanshan District, Shenzhen,
Guangdong 518057
China

Attention: Ruby Li

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Hongliang Cui
Hongliang Cui

PRODUCTS

2258 04 - PROCESS CONTROL EQUIPMENT Intrinsically Safe, Entity - For Hazardous Locations
2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations -
Certified to US Standards

Class I, Division 1, Groups A, B, C and D T4

Ex ia IIC T4 Ga

Class I, Zone 0, AEx ia IIC T4 Ga

Wireless pressure sensor type 6XX1N-EX. $-30^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$. Intrinsically safe when powered by a Li-SOCl₂ battery (SAFT LS 17330, 3.6V 2.1Ah).

Interface - Radio Frequency:

Type 65X1N-EX: Bluetooth (2.4 - 2.5 GHz), $P_{\text{RF_max}} < 3.1\text{mW}$

Type 69X1N-EX: LoRa WAN Class-A (868.3 MHz + 915 MHz), $P_{\text{RF_max}} < 4.5\text{mW}$



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Conditions of Acceptability:

1. 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 electrostatic charge on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.
2. The Wireless Pressure Sensors do not have an earth ground terminal. The sensors shall be earth grounded as part of the final installation.
3. Use only 3.6 V SAFT battery LS17330 Primary lithium-thionyl chloride (Li-SOCl₂) 2/3 A-size bobbin cell.
4. It is only allowed to replace the battery in non-hazardous areas.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60079-0:19	Explosive atmospheres - Part 0: Equipment - General requirements
CAN/CSA C22.2 No. 60079-11:14	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
CAN/CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
ANSI/UL 60079-0-2020	Explosive atmospheres - Part 0: Equipment - General Requirements
ANSI/UL 60079-11-2018	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
ANSI/UL 913-2022	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations
UL 61010-1, 3 rd Edition (2012), AMD1: 2018	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Notes:

Products certified under Class C225804, C225884 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80179223	2023-09-18	Original cCSAus Certification of 6XX1N-EX Wireless Pressure Sensor for Class I, Division 1, Groups A, B, C, D T4; Class 1, Zone 0, AEx ia IIC T4 Ga; Ex ia IIC T4 Ga locations.