

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/SUW/00133X

Contract Number: 803392

Certificate Project Number: SUW-CERT251000191

Certified Product: Wireless Corrosion Monitoring Node

Trademarks: CorrosionRADAR

Model(s): GEN3-EXI-NA

Technical Data:
 Battery Powered 6.4V DC;
 Class I, Zone 2, AEx ic [ib Gb] IIB T4 Gc;
 Ex ic [ib Gb] IIBT4 Gc;
 Class I, Division 2, Groups C, D T4;
 Ambient Temperature Range: -40°C to 60°C;
 4-20 mA Loop Output, associated circuit output [Ex ib]:
 Uo = 21.000 V; Io = 0.100 A; Po = 0.525 W; Co = 1.000 µF; Lo = 10.000 mH
 Wireless HART Port, associated circuit output for future use [Ex ic]:
 Uo = 5.880 V; Io = 1.949 A; Po = 2.865 W; Co = 1.000 µF; Lo = 23.379 µH;
 Type 4

Certificate Holder: Corrosionradar Limited
 The Future Business Centre, Kings Hedges Road, CB4 2HY, Cambridge, United Kingdom

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

UL 60079-0, 7th Ed. Rev. July 19, 2024
 CAN/CSA C22.2 No. 60079-0:19 (R2024)
 UL 60079-11, 6th Ed. Rev. September 14, 2018
 CAN/CSA C22.2 No. 60079-11:14 (R2018)
 UL 61010-1, 3rd Ed. Rev. Nov. 15, 2024
 CAN/CSA C22.2 No. 61010-1-12, 3rd Ed., Rev. Nov. 15, 2024
 UL 50E 2nd Edition, Oct. 16, 2015
 CSA C22.2.94.2: 15, Dated 2015-10-16

Certification Condition

- The battery pack can only be replaced by the battery pack SAFT M20 EX SV. Only replace the battery in safe area.
- The USB port can only be used in safe area.
- In extreme conditions, the enclosure can accumulate electrostatic charges that represent a risk of ignition. The enclosure shall not be subjected to any process that could lead to electrostatic charges and the enclosure can only be cleaned with a damp cloth.
- Sensors Outputs are to be connected to the Corrosion Radar designated sensors and their protection concept is "Ex ib". Sensors shall provide a Lo/Ro ratio < 58.22 µH/Ω and are evaluated as simple apparatus.
- The values of Lo and Co in the entity parameters above are allowed for: distributed inductance and capacitance



Certification Body

Connectivity & Products, a division of SGS North America Inc.
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e.g. as in a cable or, if the total Li of the external circuit (excluding the cable) is $< 1\%$ of the Lo value or, if the total Ci of the external circuit (excluding the cable) is $< 1\%$ of the Co value. The values of Lo and Co shall be reduced to 50 % if both of the following conditions are met; the total Li of the external circuit (excluding the cable) $\geq 1\%$ of the Lo value and the total Ci of the external circuit (excluding the cable) $\geq 1\%$ of the Co value. The reduced capacitance of the external circuit (including cable) shall not be greater than 1 μF for Groups I, IIA, and IIB and 600 nF for Group IIC.

Authorized by:

Effective date: 16 October 2025

Vijay Rangarajan

Vijayaraghavan Rangarajan
Certifier

Certification Body

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