



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 BAS 23.0030X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2025-03-21\)](#)
[Issue 0 \(2023-07-03\)](#)
Date of Issue: 2025-04-23
Applicant: **Rochester Sensors Europe Limited**
Unit 118 Shannon Industrial Estate
Shannon
Co Clare V14 XY18
Ireland
Equipment: **TEK 880 Tank Level Radar Measurement Equipment**
Optional accessory:
Type of Protection: **Intrinsic Safety – “Ex i”**
Marking: **Ex ia IIB T4 Ga (-25°C ≤ Tamb ≤ +50°C)**
Ex ia IIB T4 Ga (-30 °C ≤ Tamb ≤ +50 °C)

Approved for issue on behalf of the IECEx
Certification Body:

D Brearley

Position:

Lead Certification Engineer

Signature:
(for printed version)

Date:
(for printed version)

23/4/2025

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:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **Rochester Sensors Europe Limited**
Unit 118 Shannon Industrial Estate
Shannon
Co Clare V14 XY18
Ireland

Manufacturing locations: **Rochester Sensors Europe Limited**
Unit 118 Shannon Industrial Estate
Shannon
Co Clare V14 XY18
Ireland

Tekelek Electronics (Shenzhen) Limited
Unit 201, Level 2, Building A3
Silicon Valley Power Automotive Park
No 334 Guiyue Road, Dafu
Community, GuanLan Street
LongHua District
Shenzhen City 518110
China

Rochester Sensors S.A DE C.V.
Calle 26 A No. 6, Col. Parque Industrial
Vallejo, Tlalnepantla de Baz
Estado de Mexico, C.P. 54170
Mexico

See following pages for more 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 Reports:

[GB/BAS/ExTR23.0059/00](#)

[GB/SGS/ExTR25.0006/00](#)

[GB/SGS/ExTR25.0041/00](#)

Quality Assessment Reports:

[GB/BAS/QAR17.0013/05](#)

[GB/BAS/QAR17.0014/05](#)

[US/ETL/QAR21.0010/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The TEK 880 Radar level measurement sensor uses high frequency radar pulses to determine the ullage distance (or headspace) in a tank, by measuring the time of flight from the bottom of the device to the surface of the liquid. The tank % full volume can be inferred from this figure. This sensor has Bluetooth communication module (BLE 5.0) module to provide for easier setup and activation via a cell phone iOS or Android application.

The TEK 880 device is a moulded plastic enclosure with marking labels on the side and the top of the equipment. The TEK 880 enclosure is provided with several fixing screws that join a base and cover together and encloses the electronics and the replaceable battery pack.

The TEK 880 has a 2" threaded opening to allow it to be screwed into an opening of a tank in the traditional invasive way or can be used with an adaptor to allow sensing in a non-invasive manner.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The plastic enclosure is a potential electrostatic hazard. Clean only with a damp cloth and do not mount in a high velocity dust laden atmosphere.
2. Batteries must be changed in a non-hazardous area or when the hazardous atmosphere is known not to be present.
3. The equipment must only be powered by battery packs supplied by Rochester Sensors Europe Limited specifically those marked 4-5485 and carry the instruction to use on TEK 880.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 2.1

To permit minor changes to allow alternative build options for the construction of the equipment.

ExTR: **GB/SGS/ExTR25.0041/00**

File Reference: **24/0549**



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Additional manufacturing locations:

Rochester Sensors S.A DE C.V.

Calle Poniente 116 N° 509, Colonia Industrial
Vallejo, Alcaldía Azcapotzalco
C.P. Ciudad de México 02300

Mexico

Rochester Sensors S.A DE C.V.

Calle Juan Fernandez Albarrán N° 32, Colonia
Ceylán Ixtacala° 32, Colonia Ceylán Ixtacala,
Tlalnepantla

Estado de México, C.P. 54162

Mexico