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 CML 22.0002**

Certificate history:
Issue 0 (2023-03-06)

Status: **Current**

Issue No: 1

Date of Issue: 2026-03-02

Applicant: **SST Sensing Ltd**
5 Hagmill Crescent
Shawhead Industrial Estate
Coatbridge ML5 4NS
United Kingdom

Equipment: **Liquid Level Sensor**

Optional accessory:

Type of Protection: **Intrinsic Safety Ex "ia"**

Marking: Ex ia IIC T4 Ga

Tamb = -30°C to +80°C

Approved for issue on behalf of the IECEx Certification Body: **L A Brisk**

Position: **Assistant Certification Manager**

Signature:
(for printed version)

Date:
(for printed version) 02 Mar 2026

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

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Manufacturer: **SST Sensing Ltd**
5 Hagmill Crescent
Shawhead Industrial Estate
Coatbridge ML5 4NS
United Kingdom

Manufacturing locations: **SST Sensing Ltd**
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Shawhead Industrial Estate
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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/CML/ExTR22.0022/00 GB/CML/ExTR26.0032/00

Quality Assessment Report:

GB/CML/QAR22.0005/02

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The product is an intrinsically safe liquid detection sensor used to detect the presence or absence of liquid in hazardous areas. It is powered from a 12VDC supply protected by an intrinsically safe barrier.

See Annex for full Description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1
This Issue introduced the following changes:

1. Changes to Schedule Drawings and the Instruction Manual.
2. Minor modifications to the PCB.

Annex:

Annex IECEx CML 22.0002 Issue 1.pdf

Annexe to:	IECEx CML 22.0002, Issue 1
Apparatus:	Liquid Level Sensor
Applicant:	SST Sensing Ltd.

Description

The product is an intrinsically safe liquid detection sensor used to detect the presence or absence of liquid in hazardous areas. It is powered from a 12VDC supply protected by an intrinsically safe barrier.

The product detects liquid using an Infrared LED and phototransistor pair. In air, light from the LED is reflected onto the phototransistor through the tip of the cone shaped sensor tip and this is detected by the microcontroller, which sets the output accordingly. In liquid, light escapes from the sensor tip. The sensor state is indicated by the supply current drawn.

The equipment has the following safety description:

Ui	=	12 VDC
Ii	=	130 mA
Pi	=	85 mW
Ci	=	1.08 µF
Li	=	0

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.

Specific Conditions of Use

None.

Components used which are covered by Ex Certificates issued to older editions of Standards

None.

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