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 20.0013X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2020-03-25)
Date of Issue:	2021-05-04		
Applicant:	**Status Instruments Ltd.** Status Business Park, Gannaway Lane, Tewkesbury, Gloucestershire, GL20 8FD **United Kingdom**		
Equipment:	**DM650XTM Temperature Indicator**		
Optional accessory:			
Type of Protection:	**Intrinsic Safety "ia"**		
Marking:	Ex ia IIC T4 Ga Ex ia IIIC T135°C Da Ta = -20°C to +60°C		

Approved for issue on behalf of the IECEx Certification Body: **H Amos MIET**

Position: **Technical Manager**

Signature: (for printed version)

Date: 4th May 2021

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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Date of issue: 2021-05-04 Issue No: 1

Manufacturer: **Status Instruments Ltd.**
Status Business Park, Gannaway Lane, Tewkesbury, Gloucestershire, GL20 8FD
United Kingdom

Additional manufacturing 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 Report:

GB/CML/ExTR20.0057/00

Quality Assessment Report:

GB/CML/QAR21.0004/00

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

The DM650XTM is a battery powered temperature indicator, with a universal input accepting either thermocouple or RTD sensors. The unit is self-contained with the sensor input being the only terminals available.

Refer to Annex for full description and conditions of manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:
Refer to Annex for specific conditions of use.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1

1. Update to IECEx QAR reference

Annex:

IECEx CML 20.0013X Iss. 1 Certificate Annex.pdf

Annexe to:	**IECEx CML 20.0013X Issue 1**
Applicant:	**Status Instruments Ltd.**
Apparatus:	**DM650XTM Temperature Indicator**

Description

The DM650XTM is a battery powered temperature indicator, with a universal input accepting either thermocouple or RTD sensors. The unit is self-contained with the sensor input being the only terminals available.

The DM650XTM Temperature Indicator consists of a polycarbonate and ABS cover arrangement containing the polyurethane based potted indicator arrangement and battery compartment, fitted onto an ABS base, with a single side and/or base port cable entry. The indicator and battery arrangement can be removed for battery replacement, whereas the base unit and associated sensor remains in the hazardous location.

Terminals 1, 2, 3 and 4:

Uo = 3.66 Vdc
Io = 17.0 mA
Po = 0.016W

Conditions of Manufacture

The following are conditions of manufacture:

i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
ii. A copy of the instructions shall be supplied with the equipment.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

i. The DM650XTM Temperature Indicator is for use with Thermocouple or RTD temperature sensors meeting the requirements of simple apparatus only.
ii. When connected to sensors measuring temperatures within a process or location, the installer shall ensure the temperature indicator module is not exposed to temperature outside the ambient temperature range of -20°C to +60°C.
iii. The DM650XTM Temperature Indicator is only to be used in fixed locations and is not a portable device. The self-contained indicator and battery compartment module can be removed for battery replacement only.
iv. The DM650XTM Temperature Indicator shall only be used with Energizer L92 Lithium AAA batteries.
v. The battery replacement and removal shall only be carried out in the safe area. Ensure battery plate is securely fitted before entering the hazardous area.
vi. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces (e.g. windblown dust, steam generation and pneumatic powder processing). In addition, the equipment shall only be cleaned with a damp cloth.

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