IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx TRC 10.0008X	Issue No: 2	Certificate history:
			Issue No. 2 (2017-03-01)
Status:	**Current**	Page 1 of 4	Issue No. 1 (2013-03-01)
			Issue No. 0 (2011-01-21)
Date of Issue:	**2017-03-01**		

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

Equipment: **Loop Powered Temperature Transmitters, TTC200X, TTR200X, SEM1801XTC – SEM1802XTC, SEM1801XR – SEM1802XR**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: Ex ia IIC T4 Ga
Ex ia IIIC T135 °C Da

Tamb = TTC200X/TTR200X: -40 °C to +85 °C
SEM1800 series: -40 °C to +70 °C

Approved for issue on behalf of the IECEx Certification Body: Stephen Winsor

Position: Certification Officer

Signature:
(for printed version)

Date:

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 the Official IECEx Website.

Certificate issued by:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN

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

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical 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/TRC/ExTR10.0008/00 GB/TRC/ExTR10.0008/01 GB/TRC/ExTR10.0008/02

Quality Assessment Report:

GB/TRC/QAR10.0001/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The TTR200X and TTC200X temperature transmitters are designed to accept inputs from a range of temperature sensors and convert these to standard industrial 4-20 mA output signal. The TTR200X accepts inputs from resistance devices (RTD or slide wire type) and the TTC200X accepts inputs from thermocouple devices. These devices must conform to the requirements for simple apparatus (refer to Special Conditions for Safe Use). The equipment comprises a single PCB within a small plastic circular enclosure with external screw type terminal connections for signal and sensor connections. The enclosure is fully encapsulated after assembly. The transmitters are to be fitted inside an industrial standard thermocouple probe head enclosure.

The SEM1801XTC and SEM1801XR are DIN rail mounted versions of single channel transmitters. Based on the TTR200X or TTC200X electronics mounted on a mother pcb housed in a rectangular plastic enclosure. Signal and sensor connections are made to screw terminal blocks.

The SEM1802XTC and the SEM1802XR are dual channel versions based on duplicate TTC200X or TTR200X mounted on a motherboard PCB.

CONDITIONS OF CERTIFICATION: YES as shown below:

Specific conditions of use are detailed in the Annex

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

Upgrade to the latest standards IEC 60079-0 series and removal of IEC 61241 series. Add interface for connection to associated equipment USBTTX Config device.

Annex:

Annex to IECEx TRC 10.0008X issue 2.pdf