



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.: issue No.:

Status:

Date of Issue: **2011-01-21** Page 1 of 3

Applicant: **Status Instruments Ltd**
Green Lane Business Park
Green Lane
Tewkesbury
Gloucestershire
GL20 8DE
United Kingdom

Electrical Apparatus: **Loop Powered Temperature Transmitters, TTC200X & TTR200X**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4 Ga**
Ex iaD 20 T135C Da
Tamb = -20C to +85C

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

Position: Certification Liaison 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](http://www.iecex.com).

Certificate issued by:

TRaC EMC & Safety Ltd
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEX TRC 10.0008X

Date of Issue: 2011-01-21

Issue No.: 0

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Manufacturer: **Status Instruments Ltd**
Green Lane Business Park
Green Lane
Tewkesbury
Gloucestershire
GL20 8DE
United Kingdom

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-11 : 2005 Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

*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](#)

Quality Assessment Report:

[GB/TRC/QAR10.0001/00](#)

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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 enclosure with external screw type terminal connections for signal and sensor connections. The enclosure is fully encapsulated after assembly.

The equipment must be housed in a suitable enclosure. Refer to Special Conditions for Safe Use.

The units are powered from the 4-20mA current loop and must only be used with a suitably certified safety barrier. See entity parameters below.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The TTC200X and TTR200X temperature transmitters must be mounted in a suitably ATEX or IECEx certified enclosure appropriate for the zone of end use.
2. The equipment shall only be configured by means of the USB connection outside the hazardous area.
3. If the equipment is mounted in an enclosure with separate IS circuits, appropriate segregation shall be provided in accordance with IEC 60079-11 Clause 6.2.1.
4. TTC200X - Only for connection to suitable thermocouples. These shall conform to the requirements for simple apparatus as defined in IEC 60079-0 clause 5.7 and shall pass a dielectric strength test in accordance with IEC 60079-11 Clause 6.3.12.
5. TTR200X - Only suitable for connection to RTD temperature sensors or slide wire resistance devices. They shall conform to the requirements for simple apparatus as defined in EN 60079-0 clause 5.7 and shall pass a dielectric strength test in accordance with 60079-11 Clause 6.3.12.
6. The ambient temperature range of the enclosure will limit the permitted ambient range of the overall equipment. Refer to enclosure certification.

Annexe: [Annex to IECEx Certificate of Conformity IECEx TRC 10.0008X.pdf](#)

