



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 EXV 25.0015X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2025-11-27		
Applicant:	Status Instruments Status Business Park Gannaway Lane Tewkesbury Gloucestershire GL20 8FD United Kingdom		
Equipment:	SCH4X + DM650XLP monitoring system SCH4X/*/*/*/*/*		
Optional accessory:	N/A		
Type of Protection:	Intrinsic Safety "i"		
Marking:	Ex ia IIC T4 Ga Ta = -20 °C to +60 °C		

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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

Manufacturing
locations: **Status Instruments**
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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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

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/EXV/ExTR25.0038/00](#)

Quality Assessment Report:

[GB/CML/QAR21.0004/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The "SCH4X + DM650XLP monitoring system" is intended for fixed installation in explosive gas and dust environments classified as IECEx Zone 0 and ATEX Category 1G. The system contains four aspects:

1. SCH4X Connection Head enclosure - Considered in this approval.
2. DM650XLP 4-20 mA signal display - Considered in this approval.
3. A Signal transmitter – Covered by another approval (associated in this approval).
4. Sensor element such as RTD, thermocouple, potentiometer or resistance – Considered simple apparatus (does not require approval).

Refer to additional information for full description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When the system is fully assembled (with enclosure and at least the DM650XLP or a signal transmitter) all entries of the SCH4X shall be closed or populated so that the SCH4X enclosure meets IP20 according to IEC 60529:1992+A2:2013.
2. The signal transmitters shall only be configured using the separately certified USBTTX or USBX Config devices outside of a hazardous area. (USB TTX: EMT 16ATEX0050X, CML 21UKEX2527X, IECEx EMT 16.0030X, and USBX: EMT 16ATEX0024X, CML 21UKEX2526X, IECEx EMT 16.0013X respectively). The temperature sensor must be located in the safe area when being used with the USBTTX or USBX Config device.
3. The sensor connections of all signal transducers are only suitable for use with simple apparatus as defined by IEC 60079-11.
4. Such devices shall also pass the dielectric strength test prescribed by IEC 60079-11.
5. For simple apparatus: The installer shall confirm (by calculation or measuring) that the process temperature does not exceed temperature classification in which the Ex Equipment is installed.
6. When installed inside Group IIB, and IIC atmospheres: the SCH4X is made from materials that under certain conditions may accumulate ignition-capable electrostatic charges. It shall not be installed where the external conditions may lead to the build-up of electrostatic charges. Additionally, the equipment may only be cleaned with a damp cloth.



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Additional information:

The "SCH4X + DM650XLP monitoring system" is intended for fixed installation in explosive gas environments classified as IECEx Zone 0 and ATEX / UKEX Category 1G. The system contains four aspects:

1. SCH4X Connection Head enclosure - Considered in this approval.
2. DM650XLP 4-20 mA signal display - Considered in this approval.
3. A Signal transmitter – Covered by another approval.
4. Sensor element such as RTD, thermocouple, potentiometer or resistance – Considered simple apparatus (does not require approval).

SCH4X Connection Head

Item 1 is considered the main enclosure of the system. It is made from ABS and provides degree of protection IP67 only when fully assembled with item 3 and 4 (for intended use only). When combined with item 2 the standard opaque cover is replaced with a transparent ABS cap. This housing has a top and bottom entry which is used to pass wired connections to and from the electronics. Each entry can be threaded using any combination of the following four options; 1/2 Inch BSP, 1/2 Inch NPT, M24, M20, and M16. The entries are closed by the connection to the simple apparatus.

DM650XLP 4-20 mA signal display

The DM650XLP (item 2) is housed within the SCH4X (item 1). When installed in its intended application it receives its power directly from the signal transmitter (item 3) or suitably certified Ex Equipment (which may be external to the SCH4X connection head) which itself is powered from an Intrinsically safe power source. The DM650XLP is an electronic device which is used to interrogate a 4-20 mA signal. The signal current is either provided by suitably certified Ex Equipment or item 3 and converted to a value which can be displayed on the included liquid crystal display. The manufacturer has prescribed the following limiting parameters for the input terminals to this device as follows.

$U_i = 30\text{ V}$, $I_i = 101\text{ mA}$, $P_i = 757.5\text{ mW}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 4\text{ }\mu\text{H}$

Signal transmitter (TTR200X, TTC200X, SEM210X, or SEM310X)

The signal transmitter is a device which converts a raw analog signal from a sensor (described in item 4 below) to a 4-20 mA current signal output. This signal can be passed into the DM650XLP (item 2) which can accept the 4-20 mA input signal. The signal transmitter resembles a "puck" as it is encapsulated in a round form factor, with only its output terminals exposed. The device is housed completely within the enclosure described in item 1 above. The transmitters are evaluated individually without an enclosure or signal display in the certificates listed below.

Signal transmitter certificates: IECEx EXV 25.0016X, ExVeritas 25ATEX2063X, ExVeritas 25UKEX2064X
EMT16ATEX0005X, CML 21UKEX2525X, IECEx EMT 16.0003X

Additionally, the signal transmitters have terminals intended for connection to the suitably certified USBTTX or USBX Config devices outside of a hazardous area. This accessory is separately certified under the following certificate numbers:

Certificates for USB Configuration accessories:

USB TTX (TTR200X / TTC200X): EMT 16ATEX0050X, CML 21UKEX2527X, IECEx EMT 16.0030X

USBX (SEM210X / SEM310X): EMT 16ATEX0024X, CML 21UKEX2526X, IECEx EMT 16.0013X

Sensing elements

The sensing element is intended to be an RTD, thermocouple, potentiometer or resistance device. The sensing element is considered "Simple Apparatus" and does not require approval.

Assembly combinations

Combinations of these aspects are intended to be combined and assembled together to make an intrinsically safe system depending on the end user requirements. The part numbering scheme in the annex shows the potential options covered by this certificate.

Annex:

[IECEx Certificate Annex_1.pdf](#)

Part number disambiguation
SCH4X 1 - 2 - 3 - 4 - 5

Position 1: SCH4X Body

A = Single side, B = two side entries (opposite ends), C = one side entry and one base entry (adjacent)

Position 2: Display type

0 = No display type (SCH4 Cap), 1 = DM650XLP 4-20 mA signal display

Position 3: In-head transmitter type

0 = no transmitter, 1 = TTR200X, 2 = TTC200X, 3 = SEM210X, 4 = SEM310X

Position 4: SCH4X side entry A

1 = 1/2 Inch BSP, 2 = 1/2 Inch NPT, 3 = M24, 4 = M20, 5 = M16

Position 5: SCH4X side entry B or base entry C

0 = 1/2 Using A body (not needed), 1 = 1/2 Inch BSP, 2 = 1/2 Inch NPT, 3 = M24, 4 = M20, 5 = M16