


ATEX DIRECTIVE 94/9/EC

Variation N^o 1 to EC Type Examination Certificate No. TRL03ATEX21013X

VARIATION TO EC TYPE EXAMINATION CERTIFICATE



Product:	Temperature Transmitter
Model/Type Ref.:	SEM310X
Brief description of the product:	Transmitter for conversion of RTD, thermocouple or similar signal in hazardous area into 2-wire signal to safe area through certified interface.
Brief description of the variation	Change in the ambient temperature range from -25°C to +40 °C...+85 °C to -40°C to +40 °C...+85 °C.
Product type:	Equipment
Client name and address:	Status Instruments Ltd., Green Lane, Tewkesbury, Gloucester GL20 8DE
Manufacturing location (see page 2 for details):	See page 2 for details
ATEX certification code	CE  II 1 G EEx ia IIC T4...T6 Tamb: -40°C to +40°C...85 °C

A sample of product has been tested and found to be in conformity with EN50014:1997/A2:1999, EN50020:2002 and EN50284:1999 as shown in the test report (reference no: XU1191/5789). This takes account of variations to the product as originally detailed in test report (reference no. XU1003/4468).

This Variation Certificate to the EC Type Examination Certificate has been established by a body notified to the Member States and Commission of the European Communities according to the provisions of Article 9 of the ATEX Directive of 23 March 1994. This Variation Certificate shall be retained with the EC Type Examination Certificate together with all other applicable Variation Certificates.

S K Barrowcliff, Director, Safety Division

Issue date: 29 September 2004

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Status Instruments Ltd.
TRL Compliance Services Ltd.

This Variation Certificate to the EC Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production. The manufacturer of the equipment referred to in this certificate has the responsibility to ensure that the apparatus conforms to the specification laid down in the schedule to this certificate and has satisfied the routine verifications and tests referred to therein. Certificate issued in accordance with the ATEX Certification Scheme.

SCHEDULE TO VARIATION CERTIFICATE

FULL ADDRESS OF MANUFACTURING LOCATION

Status Instruments Ltd.,
Green Lane,
Tewkesbury,
Gloucester GL20 8DE

GENERAL DESCRIPTION OF THE VARIATION TO THE EQUIPMENT INCLUDED WITHIN THE SCOPE OF THIS CERTIFICATE

The SEM310X Temperature Transmitter is an electronic piece of equipment that converts a measurement signal from a two wire or three wire resistive or mV input into 4-20mA current loop signal.

The equipment ambient temperature range is considered as:

- 40°C to +85 °C for temperature class T4
- 40°C to +50 °C for temperature class T5
- 40°C to +40 °C for temperature class T6

SAFETY PARAMETERS

Supply Circuits: $U_i = 30 \text{ V};$ $I_i = 100 \text{ mA};$ $P_i = 0.75 \text{ W};$ $C_i = 10 \text{ nF}$
 Input Circuits: $U_o = 30 \text{ V};$ $I_o = 100 \text{ mA};$ $P_o = 0.75 \text{ W};$ $C_o = 62 \text{ nF};$ $L_o = 4 \text{ mH}$

LIST OF APPROVED DRAWINGS

Number	Issue	Date	Description
52-214-2272-03	03	**	SEM310 HART in Head Temperature Transmitter (Instruction Sheet)

** Indicates no data shown for this specific field.

CONDITIONS FOR MANUFACTURING

All Conditions of Manufacture listed on certificate TRL03ATEX21013X remain applicable to this equipment. No additional Conditions for Safe Use have been added.

SPECIAL CONDITIONS FOR SAFE USE

All Special Conditions for Safe Use listed on certificate TRL03ATEX21013X remain applicable to this equipment. No additional Special Conditions for Safe Use have been added.

NOTES TO CE MARKING

Whilst CE Marking is referred to in the body of this certificate, TRL Compliance Services Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.