

ATEX DIRECTIVE 94/9/EC ANNEX III

EC Type Examination Certificate No. TRL05ATEX21087X

EC TYPE EXAMINATION CERTIFICATE



Product: Loop-Powered Digital Process Indicator

Model/Type Ref.: DM700X/I

Brief description of the product: The DM700X/I, is a loop-powered digital process indicator with a 4-digit 7-segment red LED display. The DM700X/I accepts a 4-20mA input signal and display's it as an associated process variable.

Product type: Equipment

Client name and address: Status Instruments Ltd
Green Lane Business Park, Green Lane,
Tewkesbury, Gloucestershire,
GL20 8DE, United Kingdom

Country of Manufacture (see page 2 for details): United Kingdom

ATEX certification code:   II 1 G EEx ia IIC T4: Tamb = -20 °C to +75 °C
T5: Tamb = -20 °C to +40 °C

A sample of product has been tested and found to be in conformity with [standards] as shown in the test report (reference no: XU1271/6126). This certificate established under Annex III of the ATEX Directive 94/9/EC.

This 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 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 product conforms to the specification laid down in the schedule to this certificate and has satisfied the routine verifications and tests referred to therein. This certificate and its schedules may only be reproduced in its entirety and without change. Certificate issued in accordance with the ATEX Certification Scheme.

S K Barrowcliff, Director, Safety Division

Issue date: 14 November 2005

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Distribution:
Status Instruments Ltd and TRL Compliance Ltd

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SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE

FULL ADDRESS OF MANUFACTURING LOCATION

Status Instruments Ltd
Green Lane Business Park, Green Lane,
Tewkesbury, Gloucestershire,
GL20 8DE, United Kingdom

GENERAL DESCRIPTION OF EQUIPMENT INCLUDED WITHIN THE SCOPE OF THIS CERTIFICATE

The DM700X/I, is a loop-powered digital process indicator with a 4-digit 7-segment red LED display. The DM700X/I accepts a 4-20mA input signal and display's it as an associated process variable.

It is constructed of a single Printed Circuit Board containing the LED display and associated circuitry. The DM700X/I is configurable and the settings are selectable by the use of three push-button keys located on the rear of the display. The entire PCB assembly is sealed into a cap that fits directly onto a plastic connecting heads. The enclosure has a minimum IP rating of IP67.

CERTIFICATION PARAMETERS

U_i = 30 V
I_i = 100 mA
P_i = 0.75 W
C_i = 0
L_i = 0

LIST OF APPROVED DRAWINGS AND DOCUMENTS

Document	Date	Pages	Issue	Description
S1779-VAR-05 CN4233 SCH4	14 Mar 04	1 of 1	5	Cap Retaining Nut
S1780-VAR-05 CN4233 SCH4	14 Mar 04	1 of 1	5	Cap Low Profile
S1782-VAR-05 CN2962 SCH4	29 Oct 96	1 of 1	10	Body Single Sided Entry
S1783-VAR-04 CN2962 SCH4	29 Oct 96	1 of 1	10	Body Double Sided Entry
S4225-01-01 CN4244 DM700XI Certification Drawing Circuit Diagram	17 Aug 04	1 of 1	1	Certification Drawing Circuit Diagram
S4228-01-01 CN4244 DM700XI Certification Drawing GA	17 Aug 04	2	2	DM700XI Certification Drawing GA
S4233-01-02 CN4244 DM700XI PCB Detail Drawing	20 Oct 05	3	2	DM700XI PCB Detail Drawing
S4226-01-02 CN4244 DM700XI Cert_Dwg_Item_List	16 Aug 04	2	2	DM700XI Certification Drawing Item List
S4227-01-01 CN4244 DM700XI Cert_Sub_Assy	22 Mar 04	3	1	DM700XI Certification Sub-Assembly
S4229-01-04 CN4244 DM700XI Cert_Dwg_Labels	8 Nov 05	2	4	DM700XI Certification Drawing Labels
52-314-2396-02	**	2	1	DM700/I DM700X/I Loop-Powered Digital Process Indicator (Instruction Sheet)

** Indicates no information shown for this field.

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CONDITIONS FOR MANUFACTURING

1. Manufacturer shall ship instructions that meet the requirements of directive 94/9/EC Annex II, clause 1.0.6 and clause 28 of EN50014:1997/A2:1999 with the equipment. Manufacturer shall make available translations of instructions into other European community languages when requested.
2. Manufacturer shall ensure there is a layer of casting compound between the surface of the LED display and the enclosure.

SPECIAL CONDITIONS FOR SAFE USE

1. Label stating 'Warning Electrostatic Hazard Do Not Charge by Rubbing or Cleaning With Solvents.' (See 27.2 of EN50014).

PHOTOGRAPHS

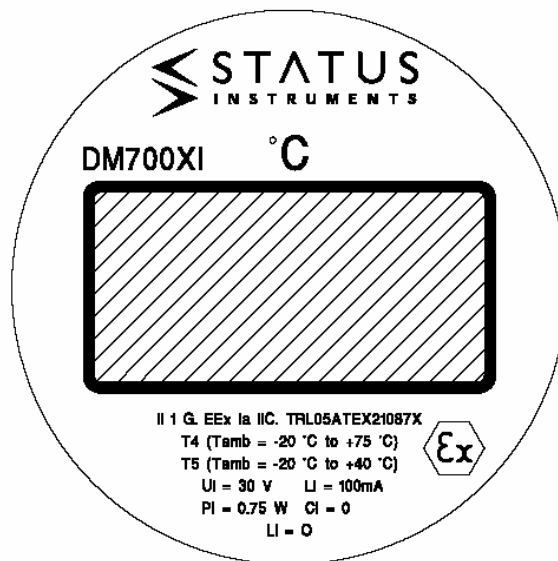
Figure 1 – DM700XI



Figure 2 – Potted PCB



DETAILS OF MARKINGS



SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE

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.