



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : BAS02ATEX2307

Equipment or Protective System: A TYPE M6290 TANK GAUGE I.S. OPTION

Manufacturer: SCIENTIFIC INSTRUMENTS INC

Address: 4400 West Tiffany Drive, Mangonia Park, West Palm Beach, Florida 33407, USA

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

01(C)0860 dated 3 September 2002

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amds 1 & 2

EN 50018: 2000

except in respect of those requirements listed at item 18 of the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

The marking of the equipment or protective system shall include the following:-

Ex II 2 G EEx d IIB T6 (-20°C ≤ T_a ≤ +50°C)

This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: EECS 0947/01/005

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244
internet: www.baseefa.com e-mail: baseefa.info.eecs@hsl.gov.uk



I M CLEARE
DIRECTOR
5 September 2002



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS02ATEX2307

15

Description of Equipment or Protective System

The Type M6290 Tank Gauge I.S. Option rated at 28V d.c. 7W comprises a Norcon Norris Limited Type 12528 General Purpose Enclosure to Component Certificate BAS02ATEX2214U, coded EEx d IIB. The threaded cover is secured by a 12mm long, M6 socket head cap screw grade 8.8 minimum.

The interior of the enclosure comprises up to the following rail mounted components:-

Two Type Z765, a Type Z788, a Type Z705 and a Type Z772 intrinsically safe isolating barriers manufactured by Pepperl & Fuchs to BAS01ATEX7005, coded [EEx ia] IIC (-20°C ≤ T_a ≤ +60°C).

Internal and external earth facilities are provided.

To obviate the risk from internal hotspots and capacitor storage associated with this arrangement, the enclosure must not be opened, when an explosive gas atmosphere is present. A label is fitted to each and every enclosure which states this information.

Cable entry holes are provided as specified on the certified drawings for the accommodation of suitable BASEEFA certified flameproof cable entry devices, with or without the interposition of a suitable BASEEFA certified flameproof thread adapter. Unused entries are to be fitted with suitable BASEEFA certified flameproof stopping plugs.

Suitable flameproof cable entry devices, thread adapters and stopping plugs certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC may also be used in the manner specified above.

16

Report No.

BASEEFA Certification Report No. 01(C)0860 dated 22 August 2002.

17

Special Conditions For Safe Use

None.

18

Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by Standards listed at (9)

Clause	Subject	Compliance
	None	



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS02ATEX2307

19

DRAWINGS

Number	Issue	Date	Description
025-092 Sheets 1 and 2	B	8-13-02	General Arrangement M6290 Tank Gauge I.S. Option

This certificate may only be reproduced in its entirety and without any change, schedule included.