



EC - TYPE EXAMINATION CERTIFICATE

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

- 3 EC - Type Examination Certificate Number: **Baseefa03ATEX0599**
- 4 Equipment or Protective System: **P200 L.S. Manometer**
- 5 Manufacturer: **Sifam Instruments Limited**
- 6 Address: **Woodland Road, Torquay, Devon, TQ2 7AY**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. Notified body number 1180, 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 No. 03(C)0789
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amendments 1 & 2 EN 50020: 2002
except in respect of those requirements listed at item 18 of the Schedule.
- 10 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.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

(X) II 2G EEx ia IIC T4 (-20°C ≤ Ta ≤ +50°C)

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

Baseefa (2001) Ltd. Customer Reference No. 0986

Project File No. 03/0789

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13 **Schedule**

14 **Certificate Number Baseefa03ATEX0599**

15 **Description of Equipment or Protective System**

The P200 I.S. Manometer is designed to measure and display a pressure value in the range 0 to 2 bar.

The P200 I.S. Manometer comprises a nominal 9V battery, a resistive bridge pressure sensor and an electronics printed circuit board (PCB) housed in a plastic enclosure with a panel mounted liquid crystal display (LCD) and two switches. The pressure sensor can be used for gauge or differential pressure measurement.

The battery is a zinc chloride IEC style 6F22.

Variation 0.1

To permit the replacement of the PCB and pressure sensor with an alternative PCB and temperature probe to form the 3208 I.S. Thermometer.

The 3208 I.S. Thermometer is designed to indicate a temperature measured by a thermocouple probe.

16 **Report Number**

03(C)0789

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 **Drawings and Documents**

P200 I.S. Manometer

Number	Sheet	Issue	Date	Description
A3-13301	1 of 1	1	14-07-03	P200 IS Assembly
A2-13091	1 of 1	1	05-03-03	Circuit Diagram for all P200 Intrinsically Safe Instruments.
B1500064	1 of 1	4	4.8.95	Intrinsically Safe Battery Connector Assy Drawing 100 Ohm Version Stock No: BE.0568.02
A3-13302	1 of 1	1	27-03-03	P200 IS Pressure Meter Inspection Diagram
A4-13285	1 of 1	1	22-09-03	P200 IS Instruments Rear Label
A3-13401	1 of 1	1	24-09-03	Case Details for Baseefa 03ATEX0599 Instruments

3208 I.S. Thermometer (Variation 0.1)

Number	Sheet	Issue	Date	Description
A3-13242	1 of 1	A	14-07-03	3208 IS Assembly
A2-13157	1 of 1	1	27-03-03	3208 Temperature Meter Intrinsically Safe (Circuit



Number	Sheet	Issue	Date	Description
				Diagram)
500064	1 of 1	4	4.8.95	Intrinsically Safe Battery Connector Assy Drawing 10 Ohm Version Stock No: BE.0568.02
-13300	1 of 1	1	27/03/03	3208 IS Temperature Meter Inspection Drawing
-13240	1 of 1	1	22-09-03	3208.IS Instruments Rear Label
-13401	1 of 1	1	24-09-03	Case Details for Baseefa 03ATEX0599 Instruments
-13402	1 of 1	1	24-09-03	K0234IS Probe Part of Baseefa 03 ATEX0599