



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa12ATEX0074X**

4 Equipment or Protective System: **UNIK 5900 Pressure Sensor**

5 Manufacturer: **Druck Limited**

6 Address: **Fir Tree Lane, Groby, Leicester LE6 0FH**

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, 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. **GB/BAS/ExTR12.0058/00**

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

EN 60079-0: 2012, EN60079-1: 2007 and EN 60079-31: 2009

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 :

**Ex II 2GD Ex d IIC T6 Gb, Ex tb IIC T85°C Db (T_{amb} = -40°C to +70°C)*
*Alternatively T5/T100°C for (T_{amb} = -40°C to +80°C)
T4/T135°C for (T_{amb} = -40°C to +100°C)**

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

Baseefa Customer Reference No. **0312**

Project File No. **10/0792**

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

Baseefa

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P. S. SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa12ATEX0074X

15 Description of Equipment or Protective System

The UNIK 5900 Pressure Sensor comprises a cylindrical enclosure with a threaded cover manufactured in stainless steel and designed to be mounted on a pressurised vessel or pipework via a threaded port. The threaded cover is locked with a locking plate and a M4 stainless steel socket head screw.

The enclosure houses a partially encapsulated sensor and electronics module, incorporating a stainless steel (or Hastelloy) diaphragm, which forms a flexible barrier to the process media. In addition, a terminal plate and an optional interface PCB are fitted around the central core.

An M20 threaded cable entry boss is provided on the side of the enclosure to facilitate the fitting of a suitably certified flameproof cable gland (certified as equipment, not a component).

The unit is rated up to 32V, 20mA, 0.7W

16 Report Number

Baseefa Confidential Report No. GB/BAS/ExTR12.0058/00

17 Specific Conditions of Use

1. When used in dust atmospheres the cable entry devices utilised with unit are to be sealed in accordance with EN60079-14 to maintain the IP6X ingress protection level
2. These units have a maximum designed service life of 50 years, based on an average cyclic operation rate of 80 cycles per day
3. External equipotential earth bonding may be made either through the process (pressure) connection or the cable entry facility. Electrical continuity between the equipment body and earth (ground) shall be confirmed by test.

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

Number	Sheet	Issue	Date	Description
X-A3-0403	1	2	1-Oct-12	Model Numbers
X-A3-0403	2	2	1-Oct-12	General Construction Notes
X-A3-0403	3	2	1-Oct-12	Marking Details
X-A3-0403	4	2	1-Oct-12	Low Pressure Module Construction
X-A3-0403	5	2	1-Oct-12	High Pressure Module Construction
X-A3-0403	6	2	1-Oct-12	Core Construction
X-A3-0403	7	2	1-Oct-12	General Arrangement, External View
X-A3-0403	8	2	1-Oct-12	General Arrangement, Internal View
X-A3-0403	9	2	1-Oct-12	General Arrangement, Dimensions