



## 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: **Baseefa12ATEX0075X**
- 4 Equipment or Protective System: **UNIK 5800 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/ExTR12.0059/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2012**  
**EN 60079-1: 2007**  
**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 IIIC T85°C Db (T<sub>amb</sub> = -40°C to +63°C)

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

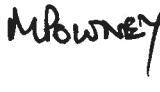
Baseefa Customer Reference No. 0312

Project File No. 10/0601

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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PP R S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa



13

## Schedule

14

Certificate Number Baseefa12ATEX0075X

### 15 Description of Equipment or Protective System

The UNIK 5800 Pressure Sensor comprises a tubular enclosure manufactured in stainless steel and designed to be mounted on a pressurised vessel or pipework via a threaded port. When assembled the joints are locked by welding, with an integral cable exiting the rear.

The enclosure houses a partially encapsulated pressure sensor and electronics module, incorporating a stainless steel (or Hastelloy) diaphragm, which forms a flexible barrier to the process media.

A male M20 (or 1/2" NPT) thread is provided at the cable entry to optionally interface with a termination enclosure or protective conduit.

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

### 16 Report Number

Baseefa Confidential Report No. GB/BAS/ExTR12.0059/00

### 17 Specific Conditions of Use

1. The integral cable shall be protected from pulling, twisting and mechanical damage
2. These units have a maximum designed service life of 50 years, based on an average cyclic operation rate of 80 cycles per day

### 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-A3-0418 | 1     | 2     | 1-Oct-12 | Model Numbers                       |
| X-A3-0418 | 2     | 2     | 1-Oct-12 | General Construction Notes          |
| X-A3-0418 | 3     | 2     | 1-Oct-12 | Marking Detail                      |
| X-A3-0418 | 4     | 2     | 1-Oct-12 | Medium Pressure Module Construction |
| X-A3-0418 | 5     | 2     | 1-Oct-12 | High Pressure Module Construction   |
| X-A3-0418 | 6     | 2     | 1-Oct-12 | Core Construction                   |
| X-A3-0418 | 7     | 2     | 1-Oct-12 | General Arrangement                 |