

[1] **EC-TYPE EXAMINATION CERTIFICATE**

according to Directive 94/9/EC, Annex III

(Translation)



[2] Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres, Directive 94/9/EC

[3] EC-Type Examination Certificate Number: **IBExU12ATEX1045 X**

[4] Equipment: **Pressure Transmitter**  
Type AX17-XMP i, AX17-XMP ci and AX17-XMD

[5] Manufacturer: **BD SENSORS GmbH**

[6] Address: **BD-Sensors-Str. 1**  
**95199 Thierstein**  
**GERMANY**

[7] The design of the equipment mentioned under [4] and any acceptable variations thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 in accordance with article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that the equipment mentioned under [4] has been found to comply with the Essential Health and Safety Requirements (given in Annex II to the Directive) relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive. The test results are recorded in the test report IB-09-3-281 of 11 July 2012.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2009 and EN 60079-1:2007.

[10] If the sign „X“ is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified under [17] in the schedule to this EC-Type Examination Certificate.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

**Ex II 2G Ex d IIC T5 Gb**

**IBExU Institut für Sicherheitstechnik GmbH**  
Fuchsmühlenweg 7 - 09599 Freiberg, GERMANY  
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Authorised for certifications  
-Explosion protection-

By order

(Dr. Wagner)



- Seal -  
(ID no. 0637)

Freiberg, 11 July 2012

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

**Schedule**

[13] **Schedule**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU12ATEX1045 X**

[15] **Description of equipment**

The Pressure Transmitters type AX17-XMP i, AX17-XMP ci and AX17-XMD are used as precision pressure transmitter in the process industry. They consist of a flameproof enclosure of aluminium, which is separated in electronic and terminal compartment, as well as a screwed sensor.

Technical data:

- Pressure range AX17-XMP i: von 0...400 mbar up to 0...600 bar
- Pressure range AX17-XMP ci: von 0...60 mbar up to 0...20 bar
- Pressure range AX17-XMD: von 0...75 mbar diff. up to 0...2 bar diff.
- Supply voltage: 12 up to 28 V DC
- Output signal: 4...20 mA
- Interne Fuse: 63 mA
- Ambient temperature range: -20 °C up to +70 °C

[16] **Test report**

The test results are recorded in the test report IB-09-3-281 of 11 July 2012. The test and information documents are part of the test report and listed there.

Summary:

The Pressure Transmitters type AX17-XMP i, AX17-XMP ci and AX17-XMD fulfil the requirements of explosion protection for equipment of Group II, Category 2G, type of protection flameproof enclosure „d“.

[17] **Special conditions for safe use**

- The Pressure Transmitters type AX17-XMP i, AX17-XMP ci and AX17-XMD can be used in an ambient temperature range from -20 °C up to +70 °C.
- The cable entry (M20x1.5) supplied by the manufacturer may be used only for fixed installation. The operating company has to ensure an appropriate clamping.

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9]).

By order

Freiberg, 11 July 2012



(Dr. Wagner)