



[1] **EU-TYPE EXAMINATION CERTIFICATE – TRANSLATION**

[2] Equipment and protective systems intended for use  
in potentially explosive atmospheres, directive 2014/34/EU

[3] EU-Type Examination Certificate Number **IBExU12ATEX1073 X** | Issue 1

[4] Equipment: **Pressure Transmitters**  
Type: AX7-XMP i, AX7-XMP ci and AX7-XMD

[5] Manufacturer: **BD SENSORS s.r.o.**

[6] Address: **Hradistska 817  
CZ 68708 Buchlovice  
GERMANY**

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential test report IB-20-3-0029.

[9] Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018                      EN 60079-1:2014**

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 product is subject to the specific conditions of use specified in the schedule to this certificate.

[11] This EU-type examination certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

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

IBExU Institut für Sicherheitstechnik GmbH  
Fuchsmühlenweg 7  
09599 Freiberg, GERMANY

Phone: +49 (0)3731 3805-0  
Fax: +49 (0)3731 3805-10

By order

Dipl.-Ing. (FH) Henker



- Seal -  
(Notified Body number 0637)

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

Freiberg, 2020-06-08

[13]

### Schedule

[14]

**Certificate number IBExU12ATEX1073 X | Issue 1**

[15] **Description of product**

The Pressure Transmitters type AX7-XMP i, AX7-XMP ci and AX7-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 AX7-XMP i:  | von 0...400 mbar up to 0... 600 bar         |
| - Pressure range AX7-XMP ci: | von 0...60 mbar up to 0...20 bar            |
| - Pressure range AX7-XMD:    | von 0...75 mbar diff. up to 0...2 bar diff. |
| - Supply voltage:            | 12 up to 28 V DC                            |
| - Output:                    | 4...20 mA                                   |
| - Internal fuse:             | 63 mA                                       |
| - Ambient temperature range: | -20 °C up to +70 °C                         |

*Variations compared to the EC-Type Examination Certificate:*

- Adaptation to the current standards of EN 60079
- Use of an alternative flameproof enclosure and other minor modifications

[16] **Test report**

The examination and test results are recorded in the confidential test report IB-20-3-0029 of 2020-06-04. The test documents are part of the test report and they are listed there.

*Summary of the test results*

The Pressure Transmitters type AX7-XMP i, AX7-XMP ci and AX7-XMD further fulfil the requirements of explosion protection for equipment of Group II and Category 2G, type of protection flameproof enclosure "db" for explosive atmospheres with gases and vapors up to explosion group IIC and temperature class T5.

[17] **Special conditions for use**

- The Pressure Transmitters type AX7-XMP i, AX7-XMP ci and AX7-XMD can be used in an ambient temperature range from -20 °C up to +70 °C.
- The cable gland supplied by the manufacturer (M20x1.5) may be used only for fixed installation. The operating company has to ensure an appropriate clamping.
- Unused openings for cable entries have to be closed durably with suitable screw plugs, which are confirmed for explosion protection according to EN 60079-1, Annex C.

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

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

- not applicable -

[19] **Drawings and documents**

The documents are listed in the test report.

By order



Dipl.-Ing. (FH) Henker

Freiberg, 2020-06-08