

[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: **IBExU15ATEX1110 X**

[4] Equipment: **Differential Pressure Transmitter**
Type AX18B-D**200

[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 annex 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 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-15-3-017 of 15 December 2015.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 and EN 60079-1:2014.

[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 annex 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:

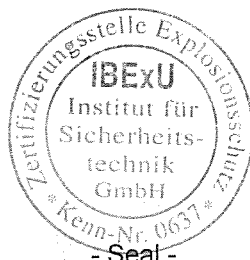
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Authorised for certifications
-Explosion protection-

By order

(Dipl.-Ing. [FH] Henker)



- Seal -
(ID no. 0637)

Freiberg, 15 December 2015

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.

Annex

[13] **Annex**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU15ATEX1110 X**

[15] **Description of equipment**

The Differential Pressure Transmitter type AX18B-D**200 is used as precision pressure transmitter in the process industry. It consists of a flameproof enclosure of aluminium, which is separated in electronic and terminal compartment, as well as a screwed differential pressure sensor.

Technical data:

- Differential pressure range: 10 mbar up to 20 bar
- Supply voltage: 12 up to 42 V DC
- Output signal: 4...20 mA
- Internal fuse: 63 mA
- Ambient temperature range: -40 °C up to +65 °C

[16] **Test report**

The test results are recorded in the test report IB-15-3-017 of 15 December 2015. The test and information documents are part of the test report and listed there.

Summary:

The Differential Pressure Transmitter type AX18B-D**200 fulfils 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 Differential Pressure Transmitter type AX18B-D**200 can be used in an ambient temperature range from -40 °C up to +65 °C.
- The cable entry 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**

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

By order

Freiberg, 15 December 2015



(Dipl.-Ing. [FH] Henker)