



[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**

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

[3] EU-type examination certificate number **IBExU15ATEX1110 X** | Issue 1

[4] Product: **Differential Pressure Transmitter**
Type: AX18B-DPT200 and AX18B-DGP200

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

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

[7] This product and any acceptable variation thereto is 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-24-3-0033.

[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 2 G Ex db IIC T6 Gb

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By order

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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.

Freiberg, 2024-06-20

[13] Schedule**[14] Certificate number IBExU15ATEX1110 X | Issue 1****[15] Description of product**

The Differential Pressure Transmitter type AX18B-DPT200 and AX18B-DGP200 is used as precision pressure transmitter in the process industry. It consists of a flameproof enclosure made 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

*Variations compared to EC-Type Examination Certificate:**Variation 1*

The Differential Pressure Transmitter meets the requirements of EN IEC 60079-0:2018.

Variation 2

The component arrangement on the circuit board, has been changed.

Variation 3

An alternative glass feed-through, type feed through M6 (Exd) can be used in the pressure transmitter.

Variation 4

Models AX18B-DAP200, AX18B-DLP200, AX18B-DRP200 are not included in this EU Type Examination Certificate anymore.

[16] Test report

The test results are recorded in the confidential test report IB-24-3-0033 of 2024-06-03.

The test documents are part of the test report and they are listed there.

Summary of the test results

The Differential Pressure Transmitter type AX18B-D**200 further fulfils the requirements of explosion protection for equipment of Group II, Category 2 G, type of protection flameproof enclosure „d“.

[17] Specific conditions of use

1. The Differential Pressure Transmitter type AX18B-D**200 can be used in an ambient temperature range from -40 °C up to +65 °C. The ambiente temperature range is specified in the instructions.
2. The Differential Pressure Transmitter is supplied with a cable gland by the manufacturer. The cable gland may only be used for fixed installations. The operator must ensure appropriate strain relief.
3. 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.1.

[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: none

[19] Drawings and Documents

The documents are listed in the test report.

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