



[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 **IBExU26ATEX1018** | Issue 0

[4] Product: **Pressure measuring transmitter** **Level probe**
Type: BP*-Ax-xx BL*-Ax-xx
Temperature measuring transmitter
Type: BT*-Ax-xx

[5] Manufacturer: Barksdale, Inc.

[6] Address: 3211 Fruitland Avenue
Los Angeles, CA 90058
UNITED STATES OF AMERICA

[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 IB2630048.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN IEC 60079-0:2018 and EN 60079-11:2012
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:

BP*-Ax-xx:

with flange plug:

II 1 G Ex ia IIC T4 Ga

other plugs:

II 1 G Ex ia IIB T4 Ga or II 2 G Ex ia IIC T4 Gb

BL*-Ax-xx:

II 1 G Ex ia IIB T4 Ga or II 2 G Ex ia IIC T4 Gb

BT*-Ax-xx:

 II 2 G Ex ia IIC T3 Gb

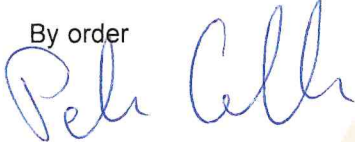
$-40\text{ °C} \leq T_a \leq +85\text{ °C}$

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By order



Dr.-Ing. P. Cimalla



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, 2026-07-01

[13]

Schedule

[14]

Certificate number IBExU26ATEX1018 | Issue 0

[15]

Description of product

The pressure measuring transmitter type BP*-Ax-xx and the level probe type BL*-Ax-xx are pressure measuring transducer consisting of a pressure measuring cell and an evaluation electronics arranged on several boards in a high-grade steel enclosure with process tap.

With the temperature transmitter type BT*-Ax-xx, a temperature sensor is used instead of a measuring cell.

All transmitters are powered by an intrinsically safe power supply.

Category 1 equipment

The transmitters may be operated in zone 0 at normal atmospheric conditions (temperature from -20 °C to +60 °C, pressure from 0.8 bar to 1.1 bar, content of oxygen about 21 %).

Types:

transmitter type /signal	type designation
pressure transmitter	
pressure transmitter standard	BP1-AT-xx
pressure transmitter controller-based	BP2-AT-xx
pressure transmitter controller-based, enhanced performance	BP3-AT-xx
pressure transmitter standard with EC 79 for hydrogen applications	BP1-AH-xx
pressure transmitter controller-based with EC 79 for hydrogen applications	BP2-AH-xx
pressure transmitter controller-based, enhanced performance with EC 79 for hydrogen applications	BP3-AH-xx
level probe	
level probe standard	BL1-AT-xx
level probe controller-based	BL2-AT-xx
level probe controller-based, enhanced performance	BL3-AT-xx
temperature transmitter	
temperature transmitter standard	BT1-AT-xx
temperature transmitter controller-based	BT2-AT-xx
temperature transmitter controller-based, enhanced performance,	BT3-AT-xx
temperature transmitter standard suitable for hydrogen applications	BT1-AH-xx
temperature transmitter controller-based suitable for hydrogen applications	BT2-AH-xx
temperature transmitter controller-based, enhanced performance, suitable for hydrogen applications	BT3-AH-xx

Technical Data

Ambient temperature range:

-40 °C to +85 °C (without zone 0)

Media temperature range:

-40 °C to +100 °C (pressure transmitter)

-40 °C to +200 °C (temperature transmitter)

Electrical Data

Supply circuit:
(terminals: +U; -U)

in type of protection intrinsic safety ia IIC

U_i	27 V
I_i	125 mA
P_i	0.85 W
C_i	5 nF
L_i	negligible

effective internal capacitance

effective internal inductance

[16] Test report

The test results are recorded in the confidential test report IB2630048 of 2026-06-16.

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

Summary of the test results

The pressure measuring transmitter BP*-Ax-xx and the level probe BL*-Ax-xx fulfil the requirements of type of protection intrinsic safety on an electrical apparatus of the Equipment Group II and Category 1 G or 2 G, Explosion Group IIB or IIC and Temperature Class T4.

The temperature measuring transmitter BT*-Ax-xx fulfil the requirements of type of protection intrinsic safety on an electrical apparatus of the Equipment Group II, Category 2 G, Explosion Group IIC and Temperature Class T3.

[17] Specific conditions of use

None

[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

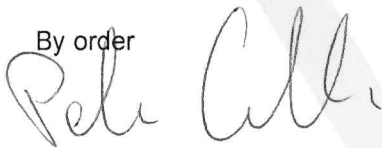
The documents are listed in the test report.

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Freiberg, 2026-07-01