



[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 **IBExU05ATEX1106 X** | Issue 1

[4] Product: **Pressure measuring device**
Type: AX12 x|act*, AX12 XMP*, AX12 HMP*, AX12 LMP* and AX12 XMD*

[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-17-3-0066.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-26:2015
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 equipment mentioned under [4] happen in accordance with a marking table and must include one of the following:

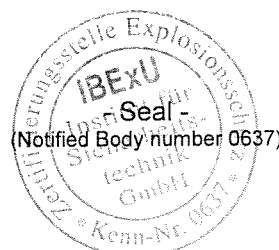
II 1G Ex ia IIC T4 Ga
 II 1/2G Ex ia IIC T4 Ga/Gb
 II 2G Ex ia IIB T4 Gb
 II 1D Ex ia IIIC T85 °C Da

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By order


Dipl.-Ing. Willamowski



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, 2017-11-07

Marking table:

Typ	Ex-marking	Description
X act i	II 1G Ex ia IIC T4 Ga	Ball housing u. membrane completely made of EDS
X act ci	II 1G Ex ia IIC T4 Ga	Ball housing made of EDS - ceramic membrane For membrane thickness ≥ 1 mm $\rightarrow 1G$
	II 1/2G Ex ia IIC T4 Ga/Gb	Ball housing made of EDS - ceramic membrane For membrane thickness < 1 mm $\rightarrow 1/2G$
	II 2G Ex ia IIC T4 Gb	Ball housing made of EDS - ceramic membrane For membrane thickness $< 0,2$ mm $\rightarrow 2G$
XMP i	II 1G Ex ia IIC T4 Ga	Housing u. membrane completely made of EDS
	II 1/2G Ex ia IIB T4 Ga/Gb	Housing made of ALU / membrane made of EDS
XMP ci	II 1G Ex ia IIC T4 Ga	Housing made of EDS - ceramic membrane For membrane thickness ≥ 1 mm $\rightarrow 1G$
	II 1/2G Ex ia IIC T4 Ga/Gb	Housing made of EDS - ceramic membrane For membrane thickness < 1 mm $\rightarrow 1/2G$
	II 2G Ex ia IIC T4 Gb	Housing made of EDS - ceramic membrane For membrane thickness $< 0,2$ mm $\rightarrow 2G$
	II 1/2G Ex ia IIB T4 Ga/Gb	Housing made of ALU - ceramic membrane For membrane thickness $> 0,2$ mm $\rightarrow 1/2G$
	II 2G Ex ia IIB T4 Gb	Housing made of ALU - ceramic membrane For membrane thickness $< 0,2$ mm $\rightarrow 2G$
XMD and HMP	II 1/2G Ex ia IIB T4 Ga/Gb	Housing made of ALU / Pressure connection and membrane made of EDS.

For dust explosive atmospheres, the following marking is used uniformly:

II 1D Ex ia IIIC T85 °C Da

[17] Specific conditions of use

- The equipment designed with connector have to be installed in such a way, that the Degree of protection IP20, always will be kept.
- The safety and assembly notes contained in the operating instructions and the Ambient temperature range from -40 °C to $+70$ °C have to be observed.
- At pressure transmitter with the marking category 1/2 equipment, the sensor diaphragm serves as partition wall and has to be protected against mechanical damages.
- The isolation of the intrinsically circuit opposite the case is because of leakage flows in the blocking capacitors from the EMV-boards limited.

[18] Essential health and safety requirements

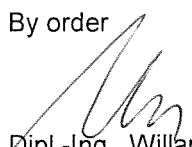
In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report: none

[19] Drawings and Documents

The documents are listed in the test report.

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