

[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: **IBExU13ATEX1043 X**

[4] Equipment: **Pressure transmitter**
Type DMP33X i Ex, LMP 331 i Ex und LPM 30X i Ex

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

[6] Address: **Hradistska 817
687 08 Buchlovice
CZECH REPUBLIC**

[7] The design of the equipment mentioned under [4] and any acceptable variation thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the Council Directive 94/9/EC 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-13-3-003 of 24 April 2013.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2009, EN 60079-11:2007 and EN 50303:2000.

[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 schedule 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 in [4] shall include the following:

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IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7 - 09599 Freiberg, Germany
☎ +49 (0) 3731 3805-0 - 📠 +49 (0) 3731 23650

Authorised for certifications Explosion protection

By order

(Dr. Wagner)

Schedule



- Seal-
(ID no. 0637)

Freiberg, 24 April 2013

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.

[16] **Test report**

The test results are explained in detail in the test report IB-13-3-003. The test documents are part of the test report and listed there.

Summary of the test results:

The Pressure transmitters type DMP33X i Ex, LMP 331 i Ex and LPM 30X i Ex fulfil the requirements of type of protection Intrinsic Safety ,ia' for an electrical equipment of the Equipment Group I, Category M1.

[17] **Special conditions**

- The equipment designed with connector has to be installed in such a way that the degree of protection IP 54 is always kept.
- The safety and assembly instructions contained in the operating instruction and the ambient temperature range $-20\text{ °C} \leq T_a \leq +65\text{ °C}$ have to be taken into account.
- The device may be operated in explosive atmospheres which require equipment of Category 1 only when there are atmospheric conditions (temperature of -20 °C to $+60\text{ °C}$, pressure of 0.8 bar to 1.1 bar).

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

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

By order

Freiberg, 24 April 2013



(Dr. Wagner)