

CERTIFICATE

(1) EU-Type Examination

- (2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 10ATEX0141 X** Issue Number: **3**

(4) Product: **Smart Pressure Transmitter Series PAD and PAS**

(5) Manufacturer: **Kobold Messring GmbH**

(6) Address: **Nordring 22-24, 65719 Hofheim, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 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 confidential test report number 213610600, issue 3.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-1 : 2014

EN 60079-31 : 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...T4 Gb
II 2 D Ex tb IIIC T85 °C...T130 °C Db

Date of certification: 11 November 2022

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

Page 1/3



© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 10ATEX0141 X**

Issue No. 3

(15) **Description**

Smart Pressure Transmitter, Series PAD and PAS measure the pressure of a process and converts it into an electrical 4 to 20 mA analog current signal with digital communication (HART protocol).

The complete transmitter is in type of protection flameproof enclosure “d” and type of Protection by enclosures “t”.

The enclosure provides a degree of protection of IP6X per EN IEC 60079-0 and EN 60529.

Thermal data

The relation between the maximum ambient temperature, maximum process temperature, temperature class for gas group II and maximum surface temperature for dust group III is per table shown below.

Ambient temperature range	Process temperature range	Temperature class for EPL Gb	Maximum surface temperature for EPL Db
-20 °C to +60 °C	-20 °C to +85 °C	T6	85 °C
-20 °C to +60 °C	-20 °C to +100 °C	T5	100 °C
-20 °C to +60 °C	-20 °C to +130 °C	T4	130 °C

Electrical data

Supply: 12,5 to 45 Vdc

Output: 4 to 20 mA

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 213610600, issue 3.

(17) **Specific conditions of use**

For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 213610600, issue 3.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 10ATEX0141 X**

Issue No. **3**

(20) **Certificate history**

Issue 1 - 213610600	initial certificate
Issue 2 - 221519800	Assesment according to EN 60079-0 : 2012 + A11 and EN 60079-1:2007
Issue 3 - 227010900	Assessed per standards listed under (9) Minor constructional and electrical data changes