

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 18ATEX0111 X** Issue Number: **1**

(4) Product: **Universal Temperature Transmitter Flex Top model 2212 and model 2222**

(5) Manufacturer: **Baumer A/S**

(6) Address: **Runetoften 19, 8210 Aarhus, Denmark**

(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., 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR18.0068/01.

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

EN 60079-15 : 2010

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 Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



II 3 G
II 3 G

Ex nA IIC T6 ... T5 Gc
Ex ec IIC T6 ... T5 Gc

Date of certification: **2 June 2021**

DEKRA Certification B.V.

R. Schuller
Certification Manager

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DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra-product-safety.com Registered Arnhem 09085396

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 18ATEX0111 X**

Issue No. 1

(15) **Description**

Universal temperature transmitter Flex Top model 2212 and model 2222, is used to is used to convert the signal of a sensor into a 4 ... 20 mA current signal with digital communication. The sensor inputs can optionally be configured for resistance thermometers, thermocouples, resistance sensors and voltage signals.

The Model 2222 offers additional HART communication.

The DFON (6-pin) connector is used for connection to a dedicated Baumer DFON display in the non-hazardous area (TUV 13ATEX 113124X).

The relation between ambient temperature range and temperature class is as follows:

T6 (Ta: -40 °C to +31 °C)

T5 (Ta: -40 °C to +80 °C)

Nomenclature

2212-xxx3.x (Ex nA version)

2222-xxx3.x (Ex nA version)

2212-xxx4.x (Ex ec version)

2222-xxx4.x (Ex ec version)

Electrical data

Supply circuit (terminals 1 and 2):

$U_n = 30 \text{ Vdc}$, $I_n = 20 \text{ mA}$ maximum

Sensor circuit (terminals 3, 4, 5 and 6):

$U_{out} = 2,3 \text{ Vdc}$; $I_{out} = 0,2 \text{ mA}$

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR18.0068/01.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 18ATEX0111 X**

Issue No. 1

(17) **Specific conditions of use**

For ambient temperature range see (15).

The area inside the enclosure shall be pollution degree 2 or better, as defined in EN 60664-1.

if the enclosure is made of non-metallic materials, or if it is made of metal having a paint layer thicker than 0,2 mm, electrostatic charges shall be avoided.

The transmitter shall be mounted in a enclosure that provides a degree of protection of at least IP54 according to EN IEC 60079-0, and that is suitable for the application and correctly installed.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR18.0068/01.

(20) **Certificate history**

Issue 0 -	223134900	initial certificate
Issue 1 -	225575400	minor constructional changes