

Translation

(1) **EC-Type-Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**



(3) **Certificate Number** TÜV 13 ATEX 113125 X

(4) for the equipment: Pressure Transmitter model: CombiPress PFMx

(5) of the manufacturer: Baumer A/S

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

Order number: 8000 415890

Date of issue: 2013-11-06

(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EC-Type-Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 12 203 113125.

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

EN 60079-0:2012

EN 60079-11:2012

EN 60079-26:2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

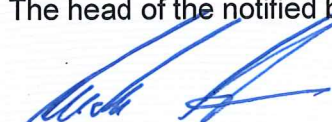
(12) The marking of the equipment or protective system must include the following:



II 1 G Ex ia IIC T5 Ga or II 1D Ex ia IIIC T100°C Da

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body



Meyer

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(13) **SCHEDULE**

(14) **EC-Type-Examination Certificate No. TÜV 13 ATEX 113125 X**

(15) Description of equipment

The CombiPress PFMx pressure transmitter is intended for measuring pressure in the range 100mBar to 400 Bar. Output and supply is through 4 – 20 mA current loop.

The PCB is mounted in a housing in which the pressure cell is mounted as an integrated part of the instrument. The pressure measuring cell will extrude from either the side or on the back of the housing. The cable entrance is located on the side of the housing.

The pressure transmitter may or may not include a display (CombiView DFON, TÜV 13 ATEX 113124X) in the housing, which can be configured to show the pressure. This is the combination PFMx + DFOx.

The pressure transmitter must be supplied through a zener barrier to make the product intrinsically safe.

Model nomenclature:

PFMN	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15
PFMH	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15

Housing: X1
 Accuracy: X2
 Pressure range: X3
 Kind of pressure: X4
 Output Signal: X5
 Material of el. connection: X6
 Process connection: X7
 Wetted parts material: X8
 Seal: X9
 Oil Filling: x10
 Display: X12
 ATEX: X13 = 5 ⇒ ATEX "ia" version for both Gas and Dust environment.
 Approvals: X14
 Configuration: X15

Technical data:

Only for connection to a certified intrinsically safe circuit Ex ia IIC:

U_i: 30 V DC

I_i: 100 mA

P_i: 0,75 W

C_i: 40 nF

L_i: 10 µH

Permissible range of ambient temperature:

For use in zone 0: -20 °C to +60 °C

For use in other zones: -40 °C to +65 °C

(16) Test documents are listed in the test report No. 13 203 113125

Schedule EC-Type Examination Certificate No. TÜV 13 ATEX 113125 X

(17) Special conditions for safe use

1. This product is allowed to be operated in an explosion hazardous atmosphere of zone 0 only if atmospheric conditions exist (Temperature from -20°C to 60°C, pressure from 0.8 bar to 1.1 bar). Under other than atmospheric conditions, the certificate may be used as a guide.
2. Impact test of the display is done to EN 60 079-0, with low impact energy of 2J.
The housing, connectors and cable glands are impact tested with the low energy of 4J.
3. This product contains no replaceable parts. In case of malfunction the product must be shipped to Baumer for repair.
4. Use of FlexProgrammer 9701 is only allowed in the safe area.

(18) Essential Health and Safety Requirements

no additional ones