

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

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



(3) **Certificate Number** TÜV 10 ATEX 384298 X **issue:** 00

(4) for the product: Incremental Encoder type ME 01-03

(5) of the manufacturer: Eltomatic A/S

(6) Address: Fabriksvej 6
9490 Pandrup
Denmark

Order number: 8000466663

Date of issue: 2017-02-17

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 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 ATEX Assessment Report No. 17 203 191369.

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

EN 60079-0:2012 + A11:2013 EN 60079-18:2009

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 for 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 equipment. These are not covered by this certificate.

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

 **II 2 G Ex mb IIB T6 Gb**

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



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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate No. TÜV 10 ATEX 384298 X issue 00**

(15) Description of product

Description:

The Eltomatic encoder type ME 01-03 is a two channel Hall encoder consisting of a die-cast aluminium housing containing a PBA carrying 2 Hall elements, which is mounted inside a specially designed cavity and fixed in position with 2 screws.

The encoder is mounted on the top of the meter in such a way that the rotating magnetic disc inside the flow meter cover activates the 2 Hall elements on the PBA in an on/off sequence, causing the encoder to emit pulses on both channels

Type Key

Type ME 01-03

Technical data

Max. 5.5 V DC / max. 12 mA

Permitted range of the ambient temperature:

-30 °C to +60 °C

(16) Drawings and documents are listed in the ATEX Assessment Report No. 17 203 191369

(17) Specific Conditions for Use

Cable must be connected in safe area or in a suitable ATEX certified Junction Box.

The 5.5 VDC input voltage shall be supplied through a safety-isolated transformer according to EN 61558-1 and the max. fuse rating shall be 250 mA.

Cable screen must be properly connected to ground

Ambient temperature rating is -30 °C to +60 °C

(18) Essential Health and Safety Requirements

no additional ones

- End of Certificate -