

Safety Instructions

TA30H

IND-Ex: Ex db IIC T6...T4 Gb



TA30H

Table of contents

About this document 3

Associated documentation 3

Supplementary documentation 3

Certificates and declarations 3

Manufacturer address 3

Safety instructions: 4

Safety instructions: Installation 4

Schedule of Limitations: Type TA30H 5

Temperature tables 5

About this document

The document number of these Safety Instructions (XA) must match the information on the nameplate.

Associated documentation

All documentation is available on the Internet:

www.endress.com/Deviceviewer

(enter the serial number from the nameplate).

To commission the device, please observe the Operating Instructions pertaining to the device:

www.endress.com/<product code>, e.g. TA30H

Supplementary documentation

Explosion protection brochure: CP00021Z

The Explosion-protection brochure is available:

- In the download area of the Endress+Hauser website:

www.endress.com -> Downloads -> Brochures and Catalogs ->

Text Search: CP00021Z

- On the CD for devices with CD-based documentation

Certificates and declarations

PESO Approval No.:

- P647711/1
- KLPL/Ex/14-082X Issue no. 01

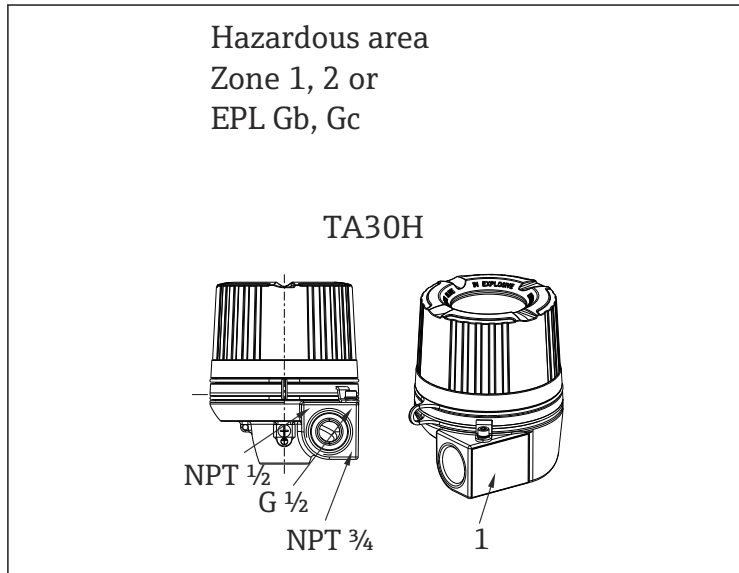
Affixing the approval number certifies conformity with the following standards (depending on the device version):

- IS/IEC 60079-0: 2017
- IS/IEC 60079-1: 2014

Manufacturer address

Endress+Hauser Wetzer (India)
Private Limited
M-192/2, MIDC Waluj
Chhatrapati Sambhajnagar 431136
India

Safety instructions:



- Identification markings for the cable gland thread type. No marking = M20x1.5
- 1 Place for nameplate

Safety instructions: Installation

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and national regulations (e.g. IS 16724 : 2018).
- The connection head must be connected to the potential matching line.
- Only the approved wire entries as specified in paragraph 10.3 of IS/IEC 60079-14, paragraph 16 of IS/IEC 60079-0, paragraph 13 of IS/IEC 60079-1 must be used.
- For connection through a conduit entry approved for this purpose the associated sealing facility shall be mounted directly to the housing.
- Seal unused entry glands with approved sealing plugs that correspond to the type of protection.
- For operating the connection head at an ambient temperature under -20 °C, appropriate cables and cable entries permitted for this application must be used.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.
- Close unused entry glands with sealing plugs.

- Use for integral temperature sensors only approved sensors certified for category 1G or 2G marked not less than II1/2G Ex d IIC T6...T4 Ga/Gb or II2G Ex d IIC T6...T4 Gb for use in Zone 0 resp. Zone 1.
- Surface treatment of the cylindrical joint and threaded joint is not permitted.
- The cover has at least 9 engaged threads. The cylindrical process connection joint has a minimal length of 13.9 mm in which the maximum gap of 0.10 mm must be kept.
- The flameproof joints are not intended to be repaired.
- Built-in electronics shouldn't exceed measurements of 24.1 mm x 44 mm or 44 mm x 44 mm.
- The housing has been tested with 5 thread pitches in the cover.
- The temperature limit of the display glass is +100 °C, for the O rings +135 °C.
- For Connection Heads with a transmitter of max 2.2 W or with terminals. The maximum ambient temperature +10 K shall not exceed the maximum service temperature of the applied parts. The maximum surface temperature does not exceed the maximum ambient temperature +10 K.

Schedule of Limitations: Type TA30H

- The ambient temperature range shall be selected as shown in certificate or table in manual.
- Connection Heads provided with a non-conductive varnish shall be marked and provided with instructions to minimize the risk from electrostatic discharge.
- The IP grade at the opening for the sensor in the base of the connection head or in the adapter shall be ensured by suitable means.
- The flameproof joints are not intended to be repaired.
- The cover has 9 engaged threads but has been tested with 5 threads.
- Oil-filled circuit-breakers and contactors shall not be used.
- The connection heads are tested with dummy contents that represent typical round transmitters and terminal blocks with a main diameter of max. 45 mm. The use of enclosed apparatus of another shape and a larger main diameter is not covered by this certificate.

Temperature tables

Type	Type of protection		Temperature range
TA30H	Ex db IIC T6...T4 Gb	Without display	-50 °C ≤ Ta ≤ +130 °C
		With display	-50 °C ≤ Ta ≤ +90 °C
		With transmitter	-50 °C ≤ Ta ≤ +90 °C



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