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Safety Instructions
iTEMP TMT162, TMT142

PROFIBUS® PA, FOUNDATION Fieldbus™

ATEX: Ex nA IIC Gc

Endress+Hauser
People for Process Automation

iTEMP TMT162, TMT142

PROFIBUS® PA, FOUNDATION Fieldbus™

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Associated documentation

All documentation is available on the Internet:
www.endress.com/Deviceviewer
(enter the serial number from the nameplate).

If not yet available, a translation into EU languages can be ordered.

To commission the device, please observe the Operating Instructions pertaining to the device:
www.endress.com/<product code>, e.g. TMT142

Supplementary documentation

Explosion protection brochure: CP00021Z

The explosion protection brochure is available on the Internet:
www.endress.com/Downloads

Certificates and declarations

EU Declaration of Conformity

Certificate number: EC_00165 X

UKCA Declaration of Conformity

Declaration number: UK_00433

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

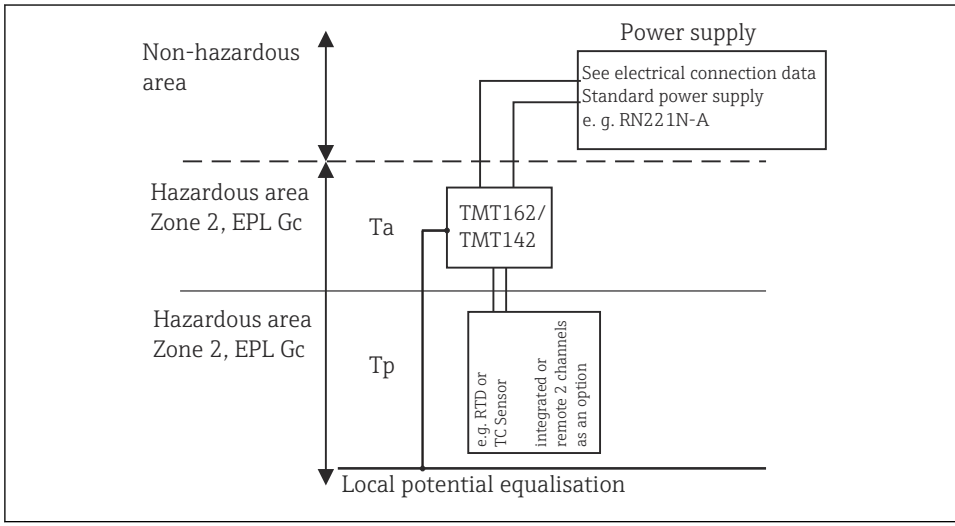
- EN IEC 60079-0 : 2018
- EN 60079-15 : 2010

The EU Declaration of Conformity is available on the Internet:
www.endress.com/Downloads

Manufacturer address

Endress+Hauser Wetzer GmbH + Co. KG
Obere Wank 1
87484 Nesselwang, Germany

Safety instructions:



1 Installation of the transmitter

Safety instructions: Installation

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations (e.g. EN/IEC 60079-14).
- Seal the cable entries tight with certified cable glands (min. IP6X) IP6X according to EN/IEC 60529.
- For operating the transmitter at an ambient temperature under −20 °C, appropriate cables, cable entries and sealing facilities permitted for this application must be used.
- The housing of the field transmitter must be connected to the potential matching line.
- For ambient temperatures higher than +70 °C, use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5 K above surrounding.
- The transmitter must be installed and maintained so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.
- When using a plug-in connector (e.g. TURCK PA connector), ensure that the requirements for category 3 and the operating temperature are observed.

⚠ WARNING

Explosive atmosphere

- In an explosive atmosphere, do not open the device when voltage is supplied (ensure that the IP67 housing protection is maintained during operation).

Temperature tables

Category	Type of protection	Type
II 3G	Ex nA IIC T6...T4 Gc	TMT162, TMT142

Type	Temperature class	Ambient temperature
TMT162, TMT142	T6	−40 °C ≤ Ta ≤ +55 °C
	T5	−40 °C ≤ Ta ≤ +70 °C
	T4	−40 °C ≤ Ta ≤ +85 °C

Electrical connection data

Type	Type of protection	Power supply (terminals + and -)
TMT162, TMT142	Ex nA IIC T6...T4 Gc	U_b = 11 to 40 V_{DC} Output: 4 to 20 mA (HART® protocol) Current consum. ≤ 23 mA
TMT162	Ex nA IIC T6...T4 Gc	U_b = 9 to 32 V_{DC} Output: FOUNDATION Fieldbus™ PROFIBUS PA® Current consum. ≤ 11 mA

www.addresses.endress.com

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