

iTEMP TMT72 temperature transmitter

HART® temperature transmitter as head, field or DIN rail device with one universal sensor input suitable for use in hazardous areas



More information and current pricing:

www.us.endress.com/TMT72

Benefits:

- Safe operation in hazardous areas thanks to international approvals
- Reliable operation thanks to sensor and device monitoring
- Integrated Bluetooth® interface for the wireless display of measured values and configuration via E+H SmartBlue (app), optional
- Diagnostics information according to NAMUR NE 107
- Available with plug-on display TID10
- Optimization of the measurement accuracy by sensor-transmitter matching.
- Push-in terminals for fast, tool-free wiring during installation or maintenance

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) ≤ 0,1 K (Pt100, -58...392 °F) ≤ 0,18 °F

Field of application: Unsurpassed reliability, accuracy and long-term stability in critical processes across all industries. The configurable transmitter transfers converted signals from RTD and thermocouple (TC) temperature probes, as well as resistance and voltage signals using HART® communication. Diagnostics information according to NAMUR NE 107. Seamless integration into all major control and asset management systems. Integrated Bluetooth® interface for remote operation via Endress+Hauser SmartBlue App.

Features and specifications

Temperature transmitters

Measuring principle

Head transmitter

Input

1 x RTD, TC, Ohm, mV

Output

1 x analog 4...20 mA / HART

Auxiliary power supply

10...36 V DC (Head transmitter)

11...36 V DC (DIN rail device)

10/11...30 V DC (Ex ia)

Communication

HART-protocol

Bluetooth® wireless technology

Installation

Terminal head form B / DIN rail / field mount housing

Accuracy

(Pt100, -50...200 °C) $\leq 0,1$ K

(Pt100, -58...392 °F) $\leq 0,18$ °F

Galvanic isolation

yes

Temperature transmitters

Certification

ATEX Ex ia, Ex ic, Ex tc, Ex nA, Ex db, Ex tb

ATEX IECEX Ex ia, Ex tb

IECEX Ex d, Ex tb

CSA C/US General Purpose

CSA C/US IS, Ex ec, XP, DIP

INMETRO Ex ia, Ex d, Ex tb

NEPSI Ex ia, Ex d, Ex tb

EAC Ex ia, Ex d

UKCA Ex ia, Ex tc, Ex nA, Ex db, Ex tb

KC Ex

PESO Ex ia

IND Ex ia

More information www.us.endress.com/TMT72