

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.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.

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

Temperature transmitters

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

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

More information www.endress.com/TMT72