

iTEMP TMT71

Temperature transmitter

Transformation of sensor signals into stable and standardized output signals for all industries



More information and current pricing:

www.mesc.endress.com/TMT71

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 Endress+Hauser SmartBlue App, optional
- User-friendly guided user interface concept also on-site via Bluetooth®
- Available with plug-on display TID10
- Diagnostics information according to NAMUR NE 107

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. The standardized 4 to 20 mA output signal is used for process measurement. Swift and easy commissioning, operation and maintenance via PC software or with integrated Bluetooth® technology and 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

Auxiliary power supply

10...36 V DC (Head transmitter)

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

10/11...30 V DC (Ex-version)

Communication

PC-programmable

Bluetooth® wireless technology

Installation

Terminal head form B / DIN rail / in field

Accuracy

(Pt100, -50...200 °C) $\leq 0,1$ K

(Pt100, -58...392 °F) $\leq 0,18$ °F

Galvanic isolation

yes

Certification

ATEX

CSA C/US General Purpose

CSA C/US IS

CSA C/US XP

EAC

IECEX

INMETRO

NEPSI

ATEX IECEX

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