

# iTEMP TMT72

## Temperature transmitter

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



### 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

More information and current pricing:

[www.apsc.endress.com/TMT72](http://www.apsc.endress.com/TMT72)

**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

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### Input

1 x RTD, TC, Ohm, mV

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### Output

1 x analog 4...20 mA

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### Auxiliary power supply

10...36 V DC (Head transmitter)

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

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

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### Communication

HART-protocol

Bluetooth® wireless technology

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### Installation

Terminal head form B / DIN rail / in field

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### Accuracy

(Pt100, -50...200 °C)  $\leq 0,1$  K

(Pt100, -58...392 °F)  $\leq 0,18$  °F

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### Galvanic isolation

yes

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### Certification

ATEX

CSA C/US General Purpose

CSA C/US IS

CSA C/US XP

EAC

IECEX

INMETRO

NEPSI

ATEX IECEX

## Temperature transmitters

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