

Преобразователи температуры iTEMP TMT71, iTEMP TMT72

Техническая информация

По вопросам продаж и поддержки обращайтесь:

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Ярославль (4852)69-52-93

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iTEMP TMT71 temperature transmitter

4-20 mA temperature transmitter as head, field or DIN rail device with one universal sensor input suitable for use in hazardous areas



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 ia)

Communication

pc-programmable

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 II1G Ex ia IIC T6
ATEX II3G Ex ic IIC T6 Gc
ATEX II3D Ex tc IIIC Dc
ATEX II3G Ex nA IIC T6 Gc
ATEX II2G Ex ia IIC T6 Gb, II3D
ATEX II3G Ex nA IIC T6 Gc, II3D
ATEX II2G Ex db IIC T6 Gb, II2D Ex tb IIIC Db
CSA C/US General Purpose
CSA C/US IS, Ex ec I/1+2/A-D
CSA C/US XP, DIP I, II, III/1+2/A-G
EAC Ex ia IIC T6 Ga
EAC Ex d IIC T6 Gb
IECEX Ex nA IIC T6 Gc
IECEX Ex d T6 Gb, Ex tb IIIC Db
INMETRO Ex ia IIC T6 Ga
INMETRO Ex d T6 Gb, Ex tb IIIC Db
INMETRO Ex nA IIC T6 Gc
NEPSI Ex ia IIC T6 Ga
NEPSI Ex d IIC T6 Gb
UK II1G Ex ia IIC T6 Ga
UK II3D Ex tc IIIC Dc
UK II2G Ex ia IIC T6 Ga, II3D Ex ia IIIC Dc
UK II3G Ex nA IIC Gc, II3D Ex tc IIIC Dc
UK II2G Ex db IIC T6 Gb, II2D Ex tb IIIC Db
ATEX IECEX II1G Ex ia IIC T6 Ga
ATEX IECEX II2D Ex tb IIIC Db

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



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

Temperature transmitters**Certification**

ATEX II1G Ex ia IIC T6
ATEX II3G Ex ic IIC T6 Gc
ATEX II3D Ex tc IIIC Dc
ATEX II3G Ex nA IIC T6 Gc
ATEX II2G Ex ia IIC T6 Gb, II3D
ATEX II3G Ex nA IIC T6 Gc, II3D
ATEX II2G Ex db IIC T6 Gb, II2D Ex tb IIIC Db
CSA C/US General Purpose
CSA C/US IS, Ex ec I/1+2/A-D
CSA C/US XP, DIP I, II, III/1+2/A-G
EAC Ex ia IIC T6 Ga
EAC Ex d IIC T6 Gb
IECEX Ex nA IIC T6 Gc
IECEX Ex d T6 Gb, Ex tb IIIC Db
INMETRO Ex ia IIC T6 Ga
INMETRO Ex d T6 Gb, Ex tb IIIC Db
INMETRO Ex nA IIC T6 Gc
NEPSI Ex ia IIC T6 Ga
NEPSI Ex d IIC T6 Gb
NEPSI Ex nA II T6 Gc
UK II1G Ex ia IIC T6 Ga
UK II3D Ex tc IIIC Dc
UK II2G Ex ia IIC T6 Ga, II3D Ex ia IIIC Dc
UK II3G Ex nA IIC Gc, II3D Ex tc IIIC Dc
UK II2G Ex db IIC T6 Gb, II2D Ex tb IIIC Db
ATEX IECEX II1G Ex ia IIC T6 Ga
ATEX IECEX II2D Ex tb IIIC Db

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