

iTEMP TMT122

DIN rail temperature transmitter

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



More information and current pricing:

www.ca.endress.com/TMT122

Benefits:

- Universal settings with HART® protocol
- High accuracy in total ambient temperature range
- Fault signal on sensor break or short circuit, NAMUR NE 43 compliant
- EMC to NAMUR NE 21, CE
- Ex-Certification: ATEX Ex, CSA IS, FM IS
- Galvanic isolation

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) $\leq 0,2$ K (Pt100, -58...392 °F) $\leq 0,4$ °F

Field of application: Unsurpassed reliability, accuracy and long-term stability in critical processes over all industries. The configurable transmitter not only transfers converted signals from resistance thermometers (RTD) and thermocouples (TC), it also transfers resistance and voltage signals using HART® communication. Swift and easy operation, visualization and maintenance by PC using operating software. Installation is realized on DIN rail according to IEC 60715 (housing width: 22.5 mm).

Features and specifications

Temperature transmitters

Measuring principle

Rail transmitter

Temperature transmitters**Input**

1 x RTD, TC, Ohm, mV

Output

1 x analog 4...20 mA

Auxiliary power supply

12...35 V DC (standard-version)

12...30 V DC (Ex-version)

Communication

HART-protocol

Installation

DIN rail

Accuracy

(Pt100, -50...200 °C) $\leq 0,2$ K

(Pt100, -58...392 °F) $\leq 0,4$ °F

Galvanic isolation

yes

Certification

UL rec. Comp

marine approval

GOST Metrology

FM IS,NI,Class I,Div.1+2,Group ABCD

CSA IS,NI,Class I,Div.1+2,Group ABCD

ATEX II2 (1)G Ex ia[ia Ga] IIC T6 Gb

ATEX II3G Ex nA IIC T6

FM+CSA IS,NI,Class I,Div.1+2,Group ABCD

CSA General Purpose

IECEX Ex ia IIC T6/T5/T4

NEPSI Ex ia IIC T4-T6 NEPSI Ex nA IIC T4-

T6

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