iTEMP TMT111
DIN rail temperature transmitter

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

More information and current pricing:
www.at.endress.com/TMT111

Benefits:

- Fault signal on sensor break or short circuit, presettable to NAMUR NE43
- UL recognized component to UL 3111-1
- CSA General Purpose
- Meets the EMC requirements as per NAMUR NE21
- Ex-Certification: ATEX Ex ia, CSA IS, FM IS
- Galvanic isolation 2 kV (input/output)
- Output simulation for quick and easy testing of the measurement loop

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) <= 0,2 K (Pt100, -58...392 °F) <= 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. The standardized output signal is a 4 to 20 mA signal. Swift and easy operation, visualization and maintenance by PC using operating software. Space-saving DIN rail mounting as per IEC 60715 (housing width: 12.6 mm)

Features and specifications

Temperature transmitters

Measuring principle
Rail transmitter

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
PCP (pc-programmable)

Installation
DIN rail

Accuracy
(Pt100, -50...200 °C) <= 0,2 K

(Pt100, -58...392 °F) <= 0,4 °F

Galvanic isolation
yes

Certification
UL rec. Comp

ATEX II2(1)G Ex ia IIC T4/T5/T6

FM+CSA IS, NI I/1+2/ABCD

FM IS, NI I/1+2/ABCD

CSA IS, NI I/1+2/ABCD

Temperature transmitters

More information **www.at.endress.com/TMT111**

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