

# iTEMP TMT82

## Temperature transmitter

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



Thông tin thêm và mức tính giá hiện tại:

[www.apsc.endress.com/TMT82](http://www.apsc.endress.com/TMT82)

### Lợi ích:

- Certified up to SIL 2/3 - hardware/software - according to IEC 61508:2010
- Safe operation in hazardous areas, international approvals such as FM IS, NI; CSA IS, NI; ATEX, NEPSI, IECEx Ex ia, Ex nA for intrinsically safe installation in zone 1 and zone 2; Marine approval
- HART<sup>®</sup> 7 version
- High accuracy of measuring point through sensor-transmitter matching
- Reliable operation with sensor monitoring and device hardware fault recognition
- Diagnostics information according to NAMUR NE107
- Rapid no-tools wiring due to optional spring terminal technology;

### Tổng quan về thông số kỹ thuật

- **Accuracy** (Pt100)  $\leq 0,1K$  (digital) + 0,03% (set range)

**Phạm vi ứng dụng:** 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), but also resistance and voltage signals using HART<sup>®</sup> communication. High measurement point availability by means of sensor monitoring functions. Diagnostics information according to NAMUR NE 107. Optimization of the measurement accuracy by sensor-transmitter matching.

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## Tín năng và thông số kỹ thuật

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### Temperature transmitters

**Measuring principle**

Head transmitter

**Input**

2 x RTD, TC

**Output**

1 x analog 4...20 mA / HART

**Auxiliary power supply**

11...42 V DC

**Communication**

HART-protocol

**Installation**

Terminal head form B, DIN-Rail housing or field mount housing

**Accuracy**(Pt100)  $\leq 0,1K$  (digital) + 0,03% (set range)**Galvanic isolation**

yes

Temperature transmitters

**Certification**

Non-hazardous area

ATEX

CSA

FM

EAC

IECEX

NEPSI

FM+CSA

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