

iTEMP TMT182B temperature transmitter

HART® temperature head transmitter with one universal sensor input suitable for use in hazardous areas



Benefits:

- Safe operation in hazardous areas; international approvals
- Reliable operation with continuous sensor and device monitoring
- Diagnostics information according to NAMUR NE 107
- Ready to use: pre-programmed ex-works if required
- Easy configuration with free software

Specs at a glance

- **Accuracy** (Pt100, -50...200 °C) $\leq 0,14$ K (Pt100, -58...392 °F)
 $\leq 0,25$ °F

Field of application: The iTEMP TMT182B temperature head transmitter is designed for applications across all process industries that require accurate temperature measurements and **HART® communication**. The device provides valuable additional diagnostic information and stable measurement performance, helping to improve process efficiency and stable plant operation.

Features and specifications

Temperature transmitters

Measuring principle

Head transmitter

Input

1 x RTD, TC, Ohm, mV

Temperature transmitters

Output

1 x analog 4...20 mA

Auxiliary power supply

10...36 V DC (standard-version)

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

Communication

HART-protocol

Installation

Terminal head form B

Accuracy

(Pt100, -50...200 °C) $\leq 0,14$ K

(Pt100, -58...392 °F) $\leq 0,25$

°F

Galvanic isolation

yes

Certification

ATEX Ex ia, Ex ec

ATEX IECEX Ex ia

NEPSI Ex ia

More information www.endress.com/TMT182B