

# TMT142B iTEMP Programmable Temperature Transmitter with HART

Part No. **TMT142B-1E60/1W9**

Download the free Endress+Hauser SmartBlue Mobile App for phone or tablet:



For a variety of cable options see our website [www.AutomationDirect.com](http://www.AutomationDirect.com)

## Features

- Sensor Types:
  - Thermocouple Types J, K, T, E, N, R, S, U, B, C, D, L, A
  - RTD Types Pt50, Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Cu50, Cu100 (2, 3 or 4-wire)
  - Linear Resistance 10 to 2000 Ohms (2, 3, or 4-wire)
  - Millivolts -20 to 100 mV
- Measuring range configurable within the full range of the sensor type selected
- Selectable units of °F, °C, K, Ohm, and mV
- Choose from internal, external, or user defined fixed value reference junction compensation for thermocouple inputs
- Wire resistance compensation for 2-wire RTDs
- Powered by 11-36 VDC
- Output is linearized 2-wire current loop and can be configured for 4-20 mA or 20-4 mA with HART Communications
- Selectable up scale or down scale signal for sensor lead break or short circuit detection (NAMUR NE 43 fault response)
- Adjustable digital filter time constant to compensate for undesirable input fluctuations
- 2kVAC isolation between input and output
- Die-cast aluminum IP67 housing
- Liquid crystal display of measured value with 20.5 mm digits, bar graph, engineering unit, and other information
- Configured and monitored using HART communications or with its Bluetooth wireless interface on Android and iOS devices via the free Endress+Hauser SmartBlue App

## Endress+Hauser TMT142B Series iTEMP Programmable Temperature Transmitter

Part Number	Description	Weight (lb)	Price
<b>TMT142B-1E60/1W9</b>	Endress+Hauser iTEMP programmable temperature transmitter, isolated, Input: 1-channel, RTD/thermocouple/bipolar voltage/potentiometer, deg F or deg C, Output: 1-channel, current/HART, 11-36 VDC operating voltage, IP66 and IP67, wall mount, (3) 1/2in female NPT.	4.25	\$;006n?1:

## Endress+Hauser TMT142B Series iTEMP Programmable Temperature Transmitter Information

Part Number	Drawing Links	Manufacturer Tech Specs	Manufacturer Quick Start	Manufacturer Manual
<b>TMT142B-1E60/1W9</b>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>

For complete technical information and installation see *Manufacturer Tech Specs* and *Manual* links.

## Wiring Information

