

INDUMART Canada Compact Programmable Temperature Transmitter

SERIES: TMT47

ULTRA SMALL SIZE

> 4-20 mA. 2-WIRE OUTPUT

- > Pt100 SENSING ELEMENT
- > EASY & FAST CONNECTION
- > VIBRATION-PROOF DESIGN
- > WATERPROOF IP65 PROTECTION

APPLICATIONS:

- Cars and Rail Vehicles
- Construction Machines
- Food & Sanitary Processes
- Other Industrial Processes

With RTD Sensor





> LOCAL INDICATOR WITHOUT OR WITH TWO OPTO CONTACTS (OPTION)

INTRODUCTION

The new compact TMT47 Programmable Temperature Transmitter with RTD Probe replaces expensive assemblies comprising RTD probe, terminal block, probe head and the temperature transmitter. Robust vibration-proof design, IP65 protection class and protected electronics by the means of a special compound, result into an exceptional probe; ideal for withstanding harsh environments. These transmitters maybe configured by the user for a specific span, greater than 50°C.

Being very compact and definitely an economical approach to temperature measurement are other advantages of the TMT47. Utilizing the TMT47 eliminates the use of stainless steel probe heads in food and sanitary industries, and thanks to their small dimensions, these programmable temperature probes are applicable in cars, trains, construction machineries and other equipments, where space is limited.

Various process connections as well as stem lengths from 2 to 30 cm, are available. Optionally it can be combined with the DIS100 indicator (IP65). This combination can have no contact or two opto contacts.

SPECIFICATIONS

Sensing Element

Range Minimum Span Range 50°C **Output Signal** Output @ Sensor Burnout 32 mA

Output @ Sensor Shorted 0.2 mA **Measurement Error Non-linearity Error** Temperature Drift

Max. Process Pressure **Power Supply**

Pt100 (w=1.385) Programmable -50°C to 200°C various ranges

4...20 mA, 2-wire

0.2% of span or 0.2°C Within measurement error 0.01% of span for 1°C 360 psi (2500 kPa or 25 bar)

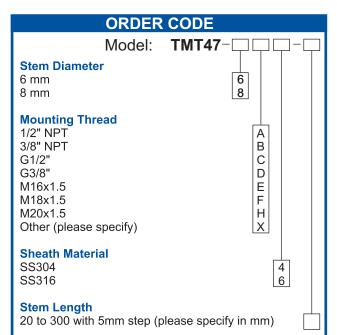
10...32 VDC

Maximum Line Load Interface Type Sensor Failure **Ambient Temperature** Case Material **Electrical Connection Mounting Thread Stem Diameter** Stem Length **Case/Terminal Protection EM Compatibility**

Dimensions

800 Ω at 24 V / 20 mA RS232, requiring special cable <3.9 or >20.2 mA programable -30...80°C Stainless steel Connector DIN 43650 Various - see the order code 6 or 8 mm 20 to 300 mm, step of 5 mm IP65

According to EN 61326 ø30 x 66 mm maximum (without stem and connector)



Please specify the range, if you require that the transmitter to be configured prior to shipping.

(The followings must be ordered separately)

- DIS100 Local Indicator
- Connection Cable CB11U

The programming software will be offered free-of-charge, when ordering the CB11U cable.



