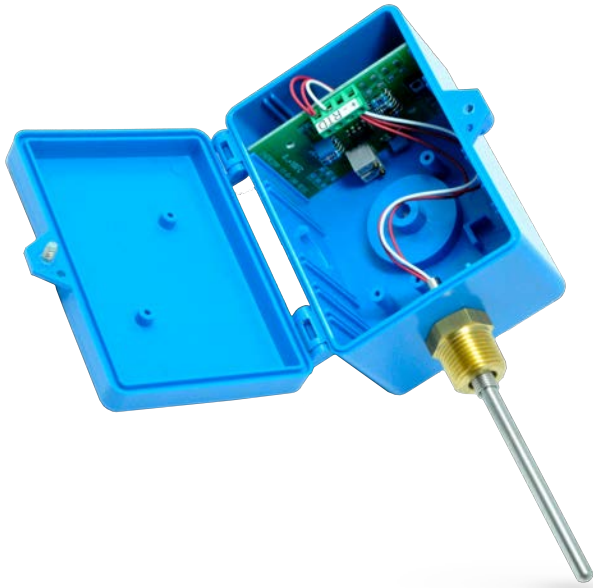


Pipe Immersion Temperature



The pipe immersion temperature sensor is used to measure the temperature of fluids or gases in pipes. The spring loaded probe provides good thermal contact with the mating thermowell allowing for fast and accurate measurements.

- ◆ Spring loaded
- ◆ Rapid response
- ◆ Rugged construction

Technical Data

Wire: 22 AWG, PVC/PVC

Lead length: 6" flying leads

Sheath material: 316 stainless steel

Probe diameter: 1/4"

Probe length: see ordering data

Process connection: 1/2" NPT

Sensor type: Pt100 RTD, Pt1000 RTD, 10K Thermistor

Accuracy:

- Pt100: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- Pt1000: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- 10K: +/-0.2°C (0...70°C), NTC standard

Operating temperature: -30...100°C

Enclosure: moulded case with hinged cover and captive screw, not weatherproof

Termination connection type: tails c/w bare ends or 2 wire temperature transmitter

2 wire temperature transmitter mounted in enclosure available only for Pt100

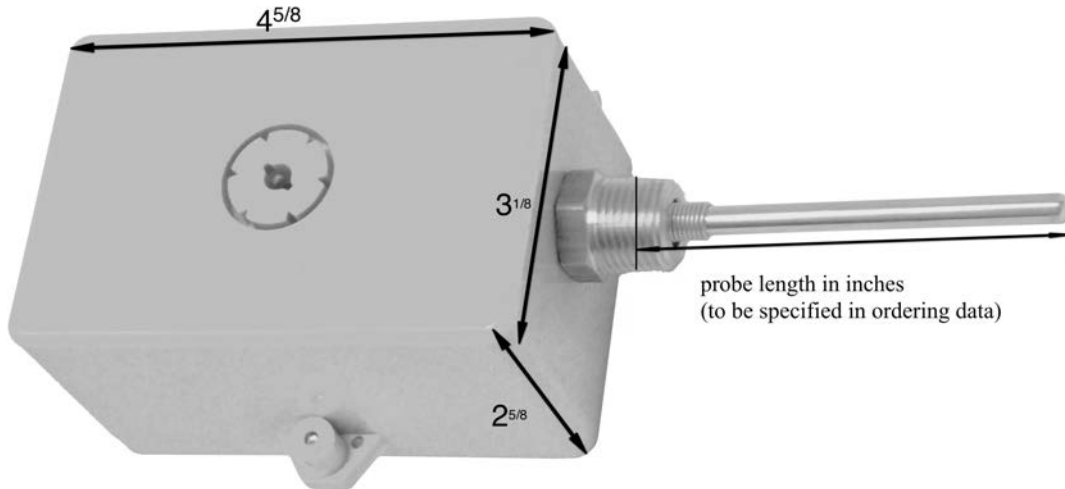
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Tel: 416-231-5335, Toll free: 1-800-363-7267

Industry Usage

HVAC, Building automation, Energy management, Waste management

Dimensions



Ordering Data

TS-P- (probe length)-(sensor type)-(sensor value)

in inches R = RTD 100 = 100 ohms

1000 = 1000 ohms

T = Thermistor 10K = 10 K ohms

ie. TS-P-4-T-10K: duct temperature sensor 4" long probe with 10K thermistor

TT-P- (probe length)-R -100/(temperature range)

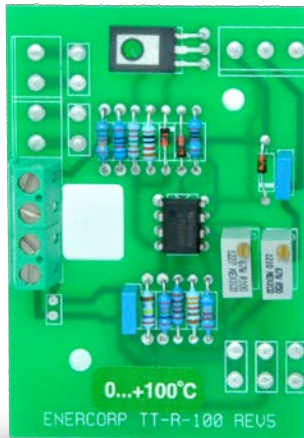
in inches

ie. TT-D-4-R-100/-50C50C: duct temperature transmitter 4" long probe with 100 ohm RTD and temperature transmitter with a temperature range of -50...50°C

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Temperature Transmitter: TT-R-100 Series



The TT-R-100 is used to convert a 2 wire Pt100 RTD temperature sensor to a 4...20mA signal. The output is proportional over a selected span and a diode protects against reverse polarity.

- ◆ Wide operating range
- ◆ Cost effective
- ◆ Multiple installation options

Technical Data

Stock ranges: -50...50°C, 0...50°C, 0...100°C

Sensor type: Pt100 RTD

Output signal: 4...20mA

Accuracy: 1%

Linearity: +/- 0.1% of span

Power supply: 24 VDC (15...30 VDC)

Supply voltage error: 0.1% max of full-scale per volt deviation from 24 VDC

Temperature drift: 0.12% of span/°C

Maximum load: (Vsupply-14)/20mA

Environmental: -20...70°C, 0...95% RH, non-condensing

Enclosure:

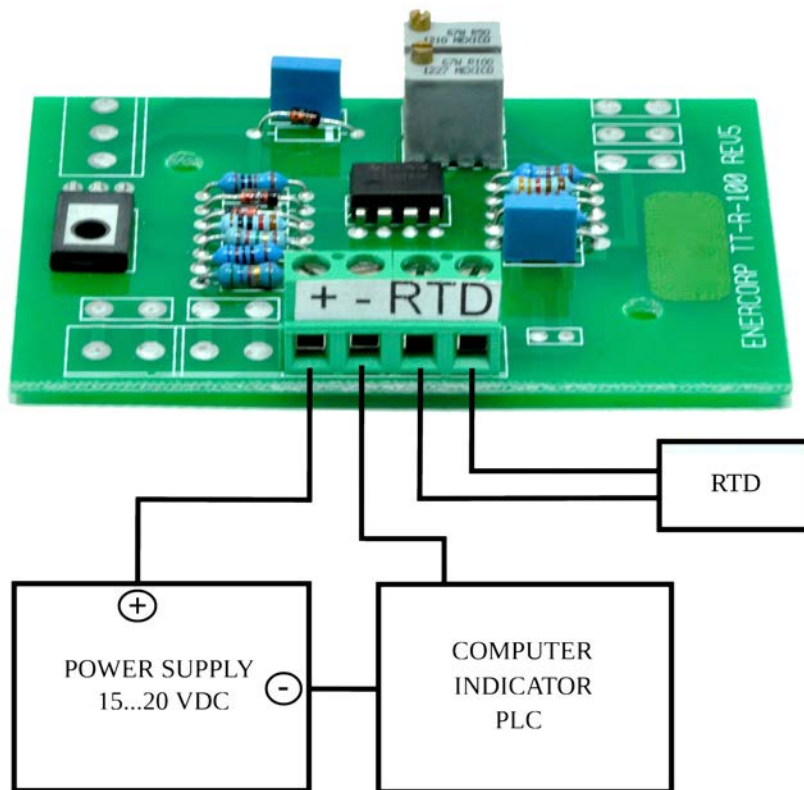
- Snap track: snap track channel with two mounting holes
- Blue box: molded case with hinged cover and captive screw, not weatherproof
- DIN rail: plastic, polyamide

Industry Usage

HVAC, Building automation, Energy management, Waste management, Food processing, Pharmaceutical

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Tel: 416-231-5335, Toll free: 1-800-363-7267



Ordering Data

TT - (enclosure type) - R - 100/ (temperature range)
 = no enclosure stock ranges: -50...50°C, 0...50°C, 0...100°C
 BB = blue box
 ST = snap track
 DR = DIN rail

ie. TT-R-100/-50C50C: Temperature transmitter with -50...50°C temperature range

ie. TT-DR-R-100/0C100C: Temperature transmitter mounted in DIN rail with 0...100°C temperature range