



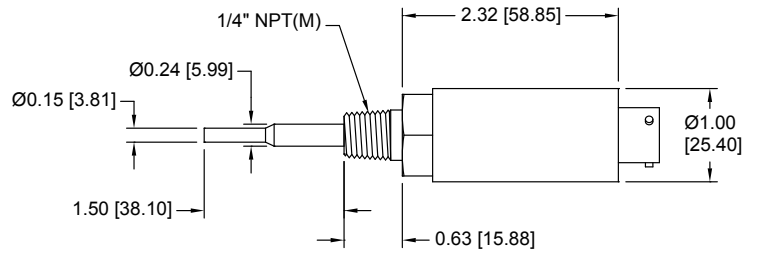
## MODEL 1003T

### ECONOMY/OEM TEMPERATURE TRANSMITTER



#### STANDARD WIRING

PIN	MODEL 1003T
1/RED	+EXC/SIG
2/GRN	N/C
3/WHT	N/C
4/BLK	-EXC/SIG
5/BRN	N/C
6/SHIELD	CASE GND



Inches (mm)

Standard configurations shown.  
Please consult factory for other options.

#### PRODUCT OVERVIEW:

The Model 1003T economical temperature transmitter series from GP:50 offers the most common industry-calibrated temperature ranges, process ports, and electrical connection. The 1003T Series provides for better lead times and lower unit cost while delivering a reliable, accurate, temperature measurement.

#### FEATURES:

- Compact, welded design
- 4-20 mA output
- Temperature ranges of 0-200 °C, 0-250 °F, and 0-300 °F
- 0.75", 1.0" and 1.5" probe lengths
- Accuracy ± 1.0% FSO
- Economical OEM pricing
- Usually ships in 2-3 weeks

#### APPLICATIONS:

- Oil and gas
- Chemical industries
- Automotive test stand
- Power generation
- Medical and laboratory R&D

#### OPTIONS:

- Probe lengths from 3/4", 1" and 1 1/2"
- Temperature ranges of 0-200 °C, 0-250 °F, and 0-300 °F
- For a broader selection of temperature ranges, probe lengths, and electrical connections please refer to model 240/340T.

# GP:50 MODEL 1003T

## REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	4-20 mA
Excitation Voltage:	10-28 Vdc
Load Impedence:	750 $\Omega$ max. Vdc
Insulation Resistance:	> 100 M $\Omega$ @ 50 Vdc and +70 °F (+21 °C)
Response Time:	<2 sec

MATERIALS OF CONSTRUCTION	
Wetted Parts:	316L Stainless Steel
Housing:	300 Series Stainless Steel

ACCURACY (RSS): Hysteresis, Non-Linearity & Repeatability @ +70 °F)	
Standard:	$\pm 1.0\%$ FSO
Zero & Span Balance:	4.0 mA $\pm 1\%$ FSO

MECHANICAL	
Process Connection:	1/4" NPT (M)
Electrical Connection:	6-pin Bendix PT1H-10-6P
Probe Length:	0.75", 1.0" and 1.5"
Approximate Weight:	5 oz. (0.14 kg)

TEMPERATURE RANGES	
• 0 °F to +250 °F (-18 °C to +121 °C)	
• 0 °F to +300 °F (-18 °C to +149 °C)	
• 0 °C to +200 °C	

THERMAL SPECIFICATIONS	
Thermal Response Time:	<2 secs
Operating Ambient:	max +185 °F (+85 °C)
Operating Process:	max. +300 °F (+149 °C)

**FOR MORE OPTIONS SEE THE 340T DATA SHEET**

# GP:50

