



ECONOMY/OEM TEMPERATURE TRANSMITTER

MODEL 1003T

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 ± 3.0 °F
- 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

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.

FIELD OPTIONS:

- Probe lengths from $\frac{3}{4}$ " to 1 $\frac{1}{2}$ "
- 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.



Model 1003T
Economy/OEM
Temperature Transmitter

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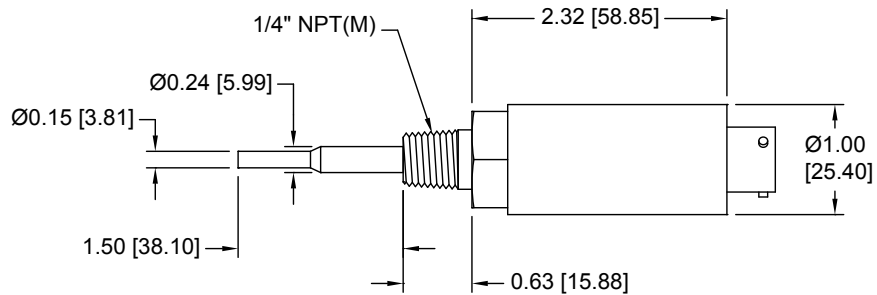
GP:50 MODEL 1003T

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

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



REFERENCE SPECIFICATIONS

<p>ELECTRICAL</p> <ul style="list-style-type: none"> • Supply Voltage: 9.0 to 36 Vdc • Output Signal: 4-20 mA \pm1% FSO • Output Current: 2.0 mA max. for <0.1% FSO attenuation • Load Impedance: 1,350 Ω max. at 36 Vdc and 750 Ω max. Vdc • Insulation Resistance: > 100 MΩ at 50 Vdc and +70 °F (+21 °C) • Connection: 6-pin bendix PT1H-10-6P 	<p>MECHANICAL (CONSULT FACTORY FOR OTHERS)</p> <ul style="list-style-type: none"> • Process Connection: 1/4" NPT (M) • Probe Length: 0.75", 1.0" and 1.5" • Approximate Weight: 5 ounces
<p>MATERIALS OF CONSTRUCTION</p> <ul style="list-style-type: none"> • Wetted Parts: 316L stainless steel • Housing: 300 series stainless steel 	<p>TEMPERATURE RANGES (CONSULT FACTORY FOR OTHERS)</p> <ul style="list-style-type: none"> • 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
<p>ACCURACY (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)</p> <ul style="list-style-type: none"> • \pm3.0 °F • Zero Balance: 4.0 mA \pm1% FSO 	<p>THERMAL SPECIFICATIONS</p> <ul style="list-style-type: none"> • 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

**Standard configurations shown.
Please consult factory for other options.**

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

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