

TEMPERATURE TRANSMITTER

MODEL 340T



Model 340T
Temperature Transmitter

FEATURES:

- Compact, welded design
- 4-20 mA or 0 to 5 Vdc output
- Maximum process temperatures from -65 °F to +300 °F (-54 °C to +159 °C)
- Probe lengths from 3/4" to 7" (19 mm to 178 mm) accuracy ± 3.0 °F

APPLICATIONS:

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

PRODUCT OVERVIEW:

The Model 340T temperature transducer is essential where reliable and accurate process temperatures are required. With a large range of temperatures ranges and probe lengths available the model 340T is adaptable for most temperature applications or processes. The compact size provides easy installation for on-board vehicles used in the oil and gas industry.

FIELD OPTIONS:

- Probe lengths from 3/4" to 7"
- Temperature ranges from -40 °F to +300 °F (-40 °C to +149 °C)
- Alternate electrical connectors and cable

GP:50 MODEL 340T

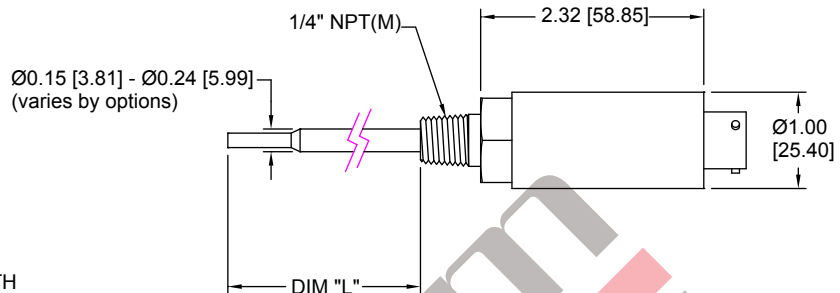
DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

PIN	MODEL 340T
1/RED	+EXC/SIG
2/GRN	N/C
3/WHT	N/C
4/BLK	-EXC/SIG
5/BRN	N/C
6/SHIELD	CASE GND

L = 0.50 TO 7.00 INCH PROBE LENGTH



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<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 stainless steel or equivalent standard, options available 	<ul style="list-style-type: none"> • Process Connection: 1/4" NPT (M) (other ports available) • Probe Length: 3/4" thru 7" • Approximate Weight: 5 ounces
MATERIALS OF CONSTRUCTION	TEMPERATURE RANGES
<ul style="list-style-type: none"> • Wetted Parts: 316L stainless steel • Housing: 300 series stainless steel 	<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) • -40 °F to +180 °F (-40 °C to +82 °C) • -40 °F to +250 °F (-40 °C to +121 °C) (consult factory for other ranges)
ACCURACY (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)	THERMAL SPECIFICATIONS
\pm 3.0 °F <ul style="list-style-type: none"> • Zero Balance: 4.0 mA \pm1% FSO 	<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)

**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.