



## 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  $\pm 3.0$  °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



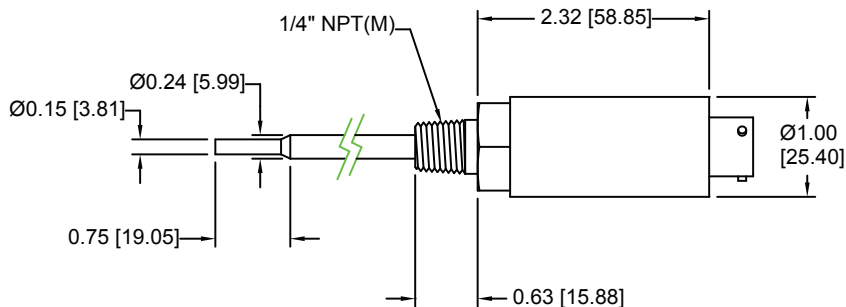
# GP:50 MODEL 340T

## 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



## REFERENCE SPECIFICATIONS

### ELECTRICAL

- **Supply Voltage:** 9.0 to 36 Vdc
- **Output Signal:** 4-20 mA  $\pm$ 1% FSO
- **Output Current:** 2.0 mA max. for <0.1% FSO attenuation
- **Load Impedance:** 1,350  $\Omega$  max. at 36 Vdc and 750  $\Omega$  max. Vdc
- **Zero Balance:** 4.0 mA  $\pm$ 1% FSO
- **Insulation Resistance:** >100 M $\Omega$  at 50 Vdc and +70 °F (+21 °C)
- **Connection:** 6-pin bendix PT1H-10-6P stainless steel or equivalent standard, options available

### MATERIALS OF CONSTRUCTION

- **Wetted Parts:** 316L stainless steel
- **Housing:** 300 series stainless steel

**STATIC ACCURACY (RSS)** (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)

### MECHANICAL

- **Process Connection:** 1/4" NPT (M) (other ports available)
- **Proof Pressure:**
- **Burst Pressure:**
- **Approximate Weight:**

### TEMPERATURE RANGES

- 0 °F to +250 °F (-18 °C to +121 °C)
- -40 °F to +250 °F (-40 °C to +121 °C)
- -40 °F to +180 °F (-40 °C to +82 °C)
- 0 °F to +300 °F (-18 °C to +149 °C)

### THERMAL SPECIFICATIONS

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

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.