

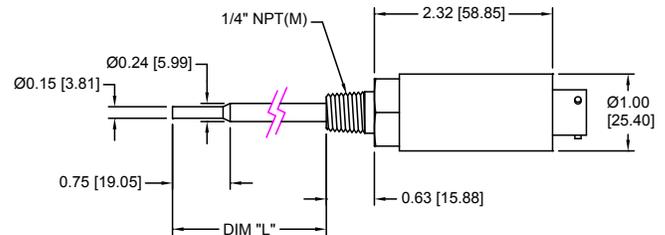
## MODEL 340T/240T TEMPERATURE TRANSMITTER



**STANDARD WIRING**

PIN	MODEL 240T	MODEL 340T
1/RED	+EXC	+EXC/SIG
2/GRN	+SIG	N/C
3/WHT	N/C	N/C
4/BLK	-EXC/SIG	-EXC/SIG
5/BRN	N/C	N/C
6/SHIELD	N/C	N/C

L = 0.75 TO 7.00 INCH PROBE LENGTH



Inches (mm)

**REF DIMENSIONS ONLY.  
CONSULT FACTORY FOR ACTUAL DIMENSIONS.**

### PRODUCT OVERVIEW:

The Model 340T temperature transducer is essential where reliable and accurate process temperatures are required. With a large range of temperature 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.

### FEATURES:

- Compact, welded design
- 4-20 mA or 0 to 5 Vdc output (240T)
- Maximum process temperatures from -65 °F to +300 °F (-54 °C to +149 °C)
- Probe lengths from 3/4" to 7" (19 mm to 178 mm)
- Accuracy  $\pm 1.0\%$  FSO

### APPLICATIONS:

- Oil and Gas
- Chemical Industries
- Automotive Test Stand
- Power Generation
- Medical and laboratory R&D

### OPTIONS:

- ATEX, IEC Hazardous Location\*
- Probe lengths from 3/4" to 7"
- Temperature ranges from -40 °F to +300 °F (-40 °C to +149 °C)
- Alternate electrical connectors & cable

\*For details of available approvals go to:  
<https://www.gp50.com/certifications>

# GP:50 MODEL 340T/240T

## REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	(340T) 4-20 mA (240T) 0-5 Vdc, 0-10 Vdc
Excitation Voltage:	(340T) 9-36 Vdc (240T) 9-32 Vdc
Load Impedence:	(340T) 750 $\Omega$ max. at 24 Vdc (240T) 50K $\Omega$ at 24 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 (BFSL): Non-Linearity @ +70 °F	
Standard:	$\pm 1.0\%$ FSO
Zero & Span Balance:	$\pm 1.0\%$ FSO

MECHANICAL	
Process Connection:	1/4" NPT (M) (other ports available)
Electrical Connection:	6-pin Bendix PT1H-10-6P, options available
Probe Length:	3/4" thru 7"
Probe Pressure Rating:	3000 PSI max with optional 10,000 PSI
Approximate Weight:	5 oz (0.14 kg)

TEMPERATURE RANGES	
<ul style="list-style-type: none"> <li>• 0 °F to +250 °F (-18 °C to +121 °C)</li> <li>• 0 °F to +300 °F (-18 °C to +149 °C)</li> <li>• -40 °F to +180 °F (-40 °C to +82 °C)</li> <li>• -40 °F to +250 °F (-40 °C to +121 °C)</li> </ul>	
(Consult factory for other ranges)	

THERMAL SPECIFICATIONS	
Operating Ambient:	max. +185 °F (+85 °C)
Operating Process:	max. +300 °F (+149 °C)

# GP:50

OIL & GAS

