



MODEL 7500 TEMPERATURE TRANSMITTER

- Multiple Outputs: 4-20 mA and 1-5 VDC
- Custom Designs Available ¹
- Low Profile Temperature Transmitter
- 316 Stainless Steel probe and process connection
- Standard Range : -40 to 200 °C

Features and Specifications

100Ω Pt RTD Class B

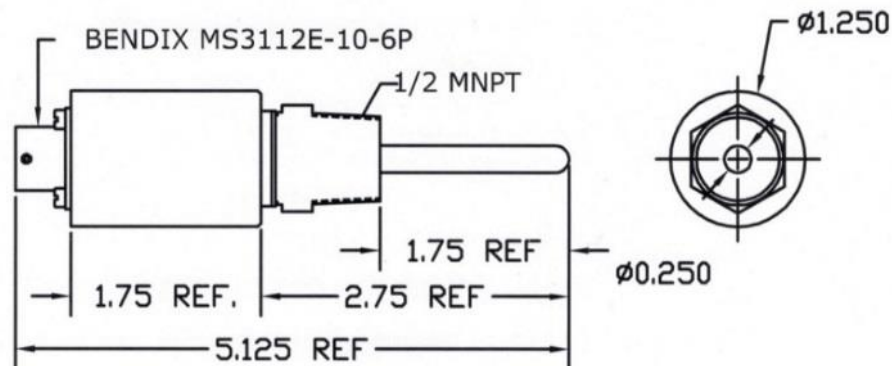
Multiple Output Options (4-20 mA, 1-5 VDC)

Multiple Process Connection Options

Customizable Probe Length



REFERENCE DIMENSIONS:



¹ CONTACT FACTORY FOR OPTIONS





MODEL 7500 TEMPERATURE TRANSMITTER

Ordering Example: 7500-C-(0-200°C)-1.75-D-EC4

C	(0-200)	1.75	D	EC4
PORT	RANGE ²	INSERTION LENGTH ³	OUTPUT	CONNECTOR
A = ¼" MNPT C = ½" MNPT	°C °F	INCHES MILLIMETERS	D = 4-20 mA E = 1-5 VDC	EC1 = 36" PIGTAIL EC2 = LARGE DIN 43650, FORM A EC3 = MINI DIN 43650, FORM C EC4 = BENDIX MS3112E-10-6P ECX = OTHER

²SPECIFY TEMP IN C/F

³SPECIFY PROBE LENGTH IN INCHES/MILLIMETERS

Typical Applications
Hydraulic Oil Fluids
Water & Chemical Storage
Gas Flow Temperature
Gear Box Lubrications

Electrical Data
Excitation: 9-36 VDC, 13-36 VDC (1-5 VDC)
Current Consumption: 20 mA, (4-20 mA), <10 mA
Output Load: > 10K Ω
Zero Offset (FS): ≤ ± 0.5% typical
Span Tolerance (FS): ≤ ± 0.5% typical
Frequency Response: :250Hz (4-20 mA) 1kHz (1-5 VDC)

Physical Data
Sensor
Wetted Material: 316 SS
Housing: 316 SS
Connections
Pressure: ¼" MNPT, ½" MNPT

Environmental Data
Thermal Limits
Operating (Ambient): -40°C to 85°C
Storage: -40°C to 125°C
Media Temperature: -40 to 200° C

Performance @ 25 °C (77 °F)
Stability: (2 year): <± 0.05% FS Typical
Maximum Pressure: 5000 PSIG
Temperature Range: -40°C to +200°C
Response: ≤ 5 ms to 90%
Total Error @ RTD: ≤ ± 1% Max
Total Error @ FS: ≤ ± 2% Max

