TC224 Series

Temperature Sensor, Side Exit, °C Output

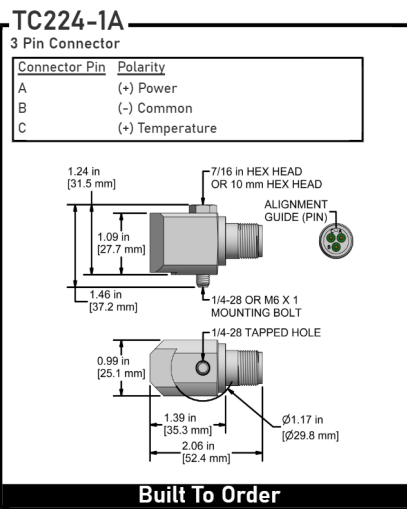**CTC** VIBRATION ANALYSIS HARDWARE

CE

Product Features

Temperature Sensor

Three Pin MIL Connector

▸ Low Cost Temperature Only Sensor

▸ Temperature Range: –40 to 250 °F (–40 to 121 °C)

▸ For Permanent Installation

TC224-1A
3 Pin Connector

Connector Pin	Polarity
A	(+) Power
B	(–) Common
C	(+) Temperature

1.24 in [31.5 mm]
7/16 in HEX HEAD OR 10 mm HEX HEAD
ALIGNMENT GUIDE (PIN)
1.09 in [27.7 mm]
1.46 in [37.2 mm]
1/4–28 OR M6 X 1 MOUNTING BOLT
1/4–28 TAPPED HOLE
0.99 in [25.1 mm]
1.39 in [35.3 mm]
Ø1.17 in [Ø29.8 mm]
2.06 in [52.4 mm]

Built To Order

Specifications	Standard	Metric
Part Number	TC224	M/TC124
Sensitivity (±10%)	10 mV/°C	
Frequency Response (±10%)		–40 to 250 °F
Frequency Response (±5%)	10 mV/°C	
Peak Sensitivity	–40 to 121 °C	
Saturation Time	.5 Hr Minimum	
Electrical		
Voltage Source (IEPE)	4-10 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Operating Temperature Range	38 to 250 °F	3 to 121 °C
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Physical		
Weight	4.3 oz	122 grams
Case Material	316L Stainless Steel	
Connector (Non-Integral)	3 Pin MIL-C-5015	
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware Supplied	1/4–28 Captive Bolt	M6x1 Captive Bolt

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