

TA201-M12A Series



Premium Dual Output Sensor, Temperature & Acceleration, Top Exit
4 Pin M12 Connector, 100 mV/g, 10 mV/°C, ±5%

VIBRATION ANALYSIS HARDWARE



Product Features

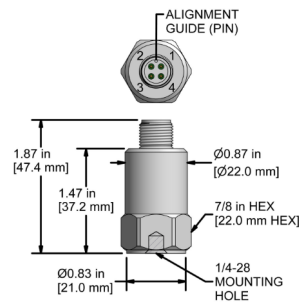
Premium Performance Sensor

Helps to Detect Bearing Defects and Temperature Changes

- ▶ Temperature (10 mV/°C) and Acceleration (100 mV/g) Outputs in One Sensor via a 4 Pin M12 Connection
- ▶ Popularly sold with SC300 Series Signal Conditioners with built-in Temperature Output

TA201-M12A 4 Pin Connector

| Connector Pin | Polarity |
|---------------|-------------------------|
| 1 | (+) Signal/Power |
| 2 | (-) Common |
| 3 | Not Used |
| 4 | (+) Temperature Voltage |



Stock Product

| Specifications | Standard | Metric | Specifications | Standard | Metric |
|-------------------------------|--|------------------------|---|-----------------------------------|------------------|
| Part Number | TA201-M12A | M/ o M8/TA2 M12A | <u>Environmental</u> Operating Temperature Range | -40 to 250 °F | -40 to 121 °C |
| Sensitivity (±5%) | 100 mV/g | | Maximum Shock Protection | 5,000 g, peak | |
| Frequency Response (±3dB) | 30-900,000 CPM | 0.5-150 Hz | Electromagnetic Sensitivity | CE | |
| Frequency Response (±10%) | 120-720,000 CPM | 2.0-1200 Hz | Sealing | IP68 | |
| Dynamic Range | ± 80 g, peak *Vsource ≥ 22V, 12Vbias | | Submersible Depth | 200 ft. | 60 m |
| Temperature Measurement Range | -40 to 250 °F | -40 to °C | Sensing Element | PZT Ceramic | |
| Temperature Output | 10 mV/°C | | Sensing Structure | Shear Mode | |
| Temperature Sensor | 750 mV = 25 °C (±1) | | Weight | 3.2 oz | 90 grams |
| Settling Time | <2.5 seconds | | Case Material | 316L Stainless Steel | |
| | | | Mounting Thread | 1/4-28 Blind Tapped Hole | |
| | | | Connector (Non-Integral) | 4 Pin M12 | |
| | | | | 1380.000 | |

Electrical