

TA201-M12A Series

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

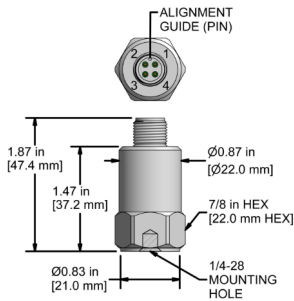


Product Features

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



Stock Product

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