



Testing & Measuring Everything

SENDIG - S908AL Low Freq. Vibration Transmitter



Product Introduction

Vibration Transmitter Suit (Low Frequency)

This 4-20mA loop power online vibration monitoring product is specially designed for easy use with PLC, DCS and other process control and monitoring system.

Features:

Overall value Output: 4-20mA_{dc} or 1-5V_{dc}, Displacement, Velocity or Acceleration, True RMS, Equivalent Peak or Equivalent Peak-Peak, (All Optional at factory)

Optional dynamic waveform Output for FFT analysis: ± 2 V_{ac}, BNC connector

Optional panel meter display: 1-48 channels, 1-2 alarm outputs, alarm delay 2-15s

Specification:

★Accelerometer:

1. Shear-mode Ceramic piezoelectric
2. Sensitivity: 5-500 pC / ms⁻²
3. Transverse sensitivity max: <5%
4. Sensitivity variation vs temperature: < 0.01% per°C
5. Case: stainless steel, air-tight, electrical isolation to reduce ground disturbance
6. Working temperature: -20-100°C or -20-180°C (high temperature type)
7. Cable outlet direction: top or side
8. Size: diameter 16, height 20
9. Mount: M5 screw

★Transmitter:

1. Amplitude Range (To be defined, Default is Velocity 25mm/s) & Frequency Range:
 - 1) Displacement: 3mm, 1-1000Hz(3dB); 2.5-1000Hz(1dB); 4-1000Hz(0.5dB)
 - 2) Velocity: 25mm/s, 1-2000Hz(3dB); 2.5-1000Hz(1dB); 4-1000Hz(0.5dB)
 - 3) Acceleration: 100m/s², 1Hz-10kHz(3dB); 2.5-10kHz(1dB); 4-5kHz(0.5dB)
 - 4) Bearing condition (Acceleration envelope): 25m/s², 1Hz-2kHz(3dB) demodulated
2. Working temperature: -20-80°C
3. Accuracy: 5% (may depend on range)
4. Transmitter Size: L98xW73xH30(mm)
5. Power: 20-30V(DC)
6. Output mode: 2-line loop power or 3-line (power, output, and ground)
7. 4-20mA Output:
 - ; Maximal transmit distance: 1km
 - ; Protection: open circuit, short circuit.
8. Measurement accuracy (include accelerometer): 3dB (Full frequency Range), 1dB (>2.5Hz), 0.5dB (>4Hz) λ

★Panel Meter and Alarm

- 1) LED or LCD display
- 2) Alarm output: relay switch, thresholds settable on-site
- 3) Alarm output switch capacity: 250V_{ac} 2A
- 4) Alarm delay: 3-15 seconds