



Testing & Measuring Everything

## SENDIG - S908A-AE Vibration Transmitter Suit



### Product Introduction

#### Vibration Transmitter Suit

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:

λ Overall value Output: 4-20mA<sub>dc</sub> or 0-5V<sub>dc</sub>, Acceleration: 0.1 to 100 m/s<sup>2</sup> / 0.01 to 10 g /

10Hz~1kHz ;Enveloped Acceleration: 0.1 to 25 unit / 5Hz~2kHz demodulated from 3kHz~10kHz

λ Optional dynamic waveform Output for FFT analysis: +2Vac, BNC connector

λ Optional pannel meter display: 1-32 channels, 2 alarm outputs, alarm delay 2-15s

### **Specification:**

λ Accelerometer(Optional velocimeter):

1. Shear-mode Ceramic piezoelectric
2. Sensitivity:  $10 \pm 2 \text{ pC / ms}^{-2}$
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: side
8. Size: diameter 16, height 20
9. Mount:1 M5 or 3 M5 screws

### **Transmitter:**

1. Measurement range(Default) and frequency response range:  
; Displacement(Equivalent Peak-Peak): 1~500mm, 5~500Hz  
; Velocity(True RMS): 0.2~70mm/s, 5~1000Hz  
; Acceleration(Equivalent Peak): 0.2~100m/s<sup>2</sup>, 5Hz~10kHz
  2. Working temperature: -20~80 °C
  3. Accuracy with accelerometer: 5%
  4. Size: 80x75x25(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): 5%
- λ Panel Meter and Alarm
1. LED display
  2. Alarm output: 2 relay switches, thresholds separately settable
  3. Alarm output switch capacity: 220Vac 2A
  4. Alarm delay: 3-15 seconds, only for 1 channel panel meter