Vibration Analyser series 908
True RMS & Peak 4 parameter Metric version

NORDIC TRANSDUCER

New handheld type analyser for use in safty control of production machinery or during production of vibration sensitive machinery.

Select working mode between:

Displacement Peak to Peak:	µm
Velocity RMS:	mm/s
Acceleration Peak:	m/sec^2
High Freqensy Acc. Peak:	m/sec^2

Specifications 908 system:

1. **Measurement condition:**
- Temperature: 5°C -- 50°C, Humidity <85% Non condensing environment,
- without strong electrical-magnetic field and strong impact.

2: **Amplitude Ranges:**
- Displacement 1-1999 µm peak-peak (*)
- Velocity 0.1 - 199.9 mm/sec true RMS
- Acceleration 0.1 - 199.9 m/sec^2 peak (*)

**Note: peak-peak and peak are not equivalent value and means:*
*peak-peak = 2.828*RMS while peak = 1.414*RMS se next page !!*

3: **Measurement accuracy:** +/-5% of display
- Noise levels(without input): ACC.<0.25 m/sec^2 ,vel. <0.5mm/s, Disp.< 3µm
- Frequency response accuracy: +/-5%, +/-10% for ACC 4.5kHz-10kHz
- Non-linearity: +/-5%

4: **Sensor type:** Piezoelectric Accelerometer
5: Frequency response: 10-5000 Hz,
- high Frequency acceleration: 1000-5000 Hz

6: **Battery:** 9V 6F22, 25 hours of continue operation
7: Indicator housing with cable = 292 gram Accelerometer with magnet = 60 gram

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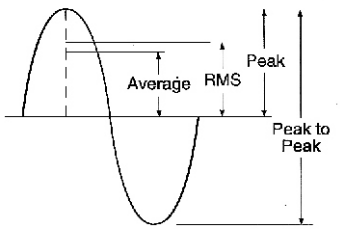
1: Electronic cabinet 130x60x29mm
2: Accelerometer
3: Magnet for accelerometer
4: Probe for inside measuring
5: 1.2m ø5mm cable
6: 2m ø3mm flexible cable

Understanding Peak/RMS values:



Average Value = 0.637 x Peak Value
RMS Value = 0.707 x Peak Value
Peak Value = 1.414 x RMS Value
Peak to Peak Value = 2 x Peak Value
Peak to Peak Value = 2.828 x RMS Value

Accelerometer mounted with probe

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