

# MACHINE CONDITIONER- 808

(Suitable for Monitoring Machinery Vibration caused by imbalance, Misalignment & Gear Faults)

5 functions in one

Vibration, Tachometer, Infrared Temperature, Current Clamp, Noise Test



## Features

- ❖ Vibration Measurement all three parameters  
(Velocity, Acceleration & Displacement)
- ❖ Laser Tachometer measurement
- ❖ Infrared Temperature measurement
- ❖ Current Clamp measurement
- ❖ Electronic Stethoscope (Noise) Test  
(Locate the sound source quickly and accurately in a generally noisy environment with headset)
- ❖ Microcontroller based
- ❖ Battery Low Indication
- ❖ Data Hold
- ❖ Back light LC Display
- ❖ Small size & Light weight
- ❖ Auto Power off

## Technical Specifications

• <b>Vibration Velocity:</b> 0.1 – 200 mm/s True RMS Accuracy: ± 2% + 0.1 mm/s	Accuracy: ± 2%
• <b>Acceleration:</b> 0.1 – 200 m/s <sup>2</sup> Peak Accuracy: ± 2% + 0.1 m/s <sup>2</sup>	Clamp jaw size: 16mm dia.
• <b>Displacement:</b> 1.0 – 2000 µm Peak – Peak Accuracy: ± 5%	• <b>Electronic Stethoscope (Noise) Test</b>
Resolution: 0.1 mm/s	Head set: Stereo type
Frequency response: 10HZ – 1KHZ	Contact tip: 220mm Stainless Steel tip
• <b>Laser Tachometer measuring Range:</b> 10 – 30000 rpm	• Power: Recharge Battery Pack with Charger
Resolution:1 rpm	• Display: 2 x 16 line back light dot matrix LCD
Accuracy: ± (1 rev. + 0.1% of reading)	• Operating Temp. Range: 0 - 55°C
• <b>Infrared Temperature Range:</b> 0 - 550°C	• Sealed Membrane key pad
Resolution:1°C	• Input Connectors: BNC & Round
Accuracy: ± 2% of reading or 2°C	• Casing: ABS
Field of View: D/S = Approx. 8:1 ratio	• Size: 200x100x40 mm
• <b>Current Clamp measuring range:</b> 1 – 200 Amps	• Weight: 650gms (Approximately)
Resolution:1Amp	

### Standard Delivery

- 1) Machine Conditioner 808 with Protective Pouch,
- 2) Vibration Transducer (Accelerometer) VSF-1F, Magnetic Base, Low Noise Cable with Connectors (1.5Mtrs),
- 3) Head Phone & Contact Tip, 4) Laser Tachometer Probe with Reflecting Tapes (3 Strips),5) Infrared Temperature Probe,
- 6) Current Clamp Probe, 7) Charger, 8) Manual, 9) Test & Calibration Report with Warranty/Guarantee Certificate, &
- 10) Carry Bag.



## MCM INSTRUMENTS

(An ISO 9001:2008 Certified Company)

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