

VIBRATION CONDITIONER- 810 DATA LOGGER

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



Features

- ❖ Vibration Measurement all three Parameters
(Velocity, Acceleration & Displacement)
- ❖ Noise Test (Electronic Stethoscope)
(Locate the sound source quickly and accurately in a generally noisy environment with headset)
- ❖ Laser Tachometer measurement
- ❖ Microcontroller based
- ❖ Battery Low Indication
- ❖ Back light LC Display
- ❖ **1000 points Data logger**
- ❖ **RS232 computer interface**
- ❖ **Data transmission software**
- ❖ Small size & Light weight
- ❖ Auto Power off

Technical Specifications

• Vibration Velocity : 0.1 – 200 mm/s True RMS Accuracy: $\pm 2\% + 0.1$ mm/s	• Power : Rechargeable Battery Pack with Charger
• Acceleration : 0.1 – 200 m/s ² Peak Accuracy: $\pm 2\% + 0.1$ m/s ²	• Display : 2 x 16 line back light dot matrix LCD
• Displacement : 1.0 – 2000 μ m Peak – Peak Accuracy: $\pm 5\%$ Resolution: 0.1 mm/s	• Operating Temp. Range : 0 - 55°C
Frequency response: 10HZ – 1KHZ	• Casing : ABS
• Electronic Stethoscope (Noise) : Stereo type Head Set Contact tip: 220mm Stainless Steel tip	• Sealed Membrane key Pad
• Laser Tachometer Measuring Range : 10 – 30000 rpm Resolution: 1 rpm	• Input Connectors : BNC & Round
Accuracy: $\pm (1 \text{ rev.} + 0.1\% \text{ of reading})$	• Size : 200x100x40 mm
	• Weight : 500gms (Approximately)

Standard Supply:

- 01) Machine Conditioner -810 with Protective Pouch,
- 02) Vibration Transducer (Accelerometer), Magnetic Base, Low Noise Cable with connectors (1.5 Mtrs.),
- 03) Head Phone & Contact Tip, 04) Laser Tachometer Probe with Reflecting Tapes (3 Strips),
- 05) Data Transmission Software CD, 06) Data Cable, 07) Charger, 08) Manual,
- 09) Test & Calibration Report with Warranty/Guarantee Certificate, 10) Carry Bag.



MCM INSTRUMENTS

(An ISO 9001:2008 Certified Company)

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