

# 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/USB computer interface**
- ❖ **Data transmission software**
- ❖ Small size & Light weight
- ❖ Auto Power off

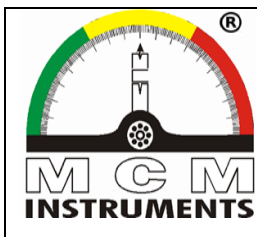
## Technical Specifications

• <b>Vibration Velocity</b> : 0.1 – 199.9 mm/s True RMS Accuracy: $\pm 2\% + 0.1$ mm/s	• <b>Power</b> : Rechargeable Battery
• <b>Acceleration</b> : 0.1 –199.9 m/s <sup>2</sup> Peak Accuracy: $\pm 2\% + 0.1$ m/s <sup>2</sup>	• <b>Display</b> : 2 x 16 line back light dot matrix LCD
• <b>Displacement</b> : 1.0 – 2800 $\mu$ m Peak – Peak Accuracy: $\pm 5\%$ Resolution: 0.1 mm/s	• <b>Operating Temp.</b> Range: 0 - 55°C
Frequency response: 10HZ – 1KHZ	• <b>Casing</b> : ABS
• <b>Electronic Stethoscope</b> (Noise): Stereo type Head Set Contact tip: 220mm Stainless Steel tip	• Sealed Membrane key Pad
• <b>Laser Tachometer Measuring Range</b> : 10 – 30000 rpm	• <b>Input Connectors</b> : BNC & MIC
Resolution: 1 rpm	• <b>Size</b> : 200x100x40 mm
Accuracy: $\pm (1 \text{ rev.} + 0.1\% \text{ of reading})$	• <b>Weight</b> : 600gms (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, 11) RS232 to USB Converter & Cable.

Technical Data are subject to change without Prior Notice.



## MCM INSTRUMENTS

(An ISO 9001:2015 Certified Company)

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GST No. 36AWXPS7528J1ZG, HSN Code: 90301000, Service Code: SAC No. 998346