

MACHINE CONDITIONER- 910 DATA LOGGER

(Suitable for Monitoring Machinery Vibration caused by imbalance, Misalignment & Gear Faults)
5 functions in one

Vibration, Laser tachometer, Infrared Temperature, Current Clamp & Noise



Features

- ❖ Vibration Measurement all three parameters
(Velocity, Acceleration & Displacement)
- ❖ Laser Tachometer measurement
- ❖ Infrared Temperature measurement
- ❖ Current Clamp measurement
- ❖ Electronic Stethoscope (Noise)
(Locate the sound source quickly and accurately in a generally noisy environment with headset)
- ❖ Microcontroller based
- ❖ **1250 points Data logger**
- ❖ **RS232 computer interface**
- ❖ **Data transmission software**
- ❖ Battery Low Indication
- ❖ Back light LC Display
- ❖ Small size & Light weight
- ❖ Auto Power off

Technical Specifications

• Vibration Velocity: 0.1 – 200 mm/s True RMS Accuracy: ± 2% + 0.1 mm/s	Accuracy: ± 2%
• Acceleration: 0.1 – 200 m/s ² Peak Accuracy: ± 2% + 0.1 m/s ²	Clamp jaw size: 16mm dia.
• Displacement: 1.0 – 2000 µm Peak – Peak Accuracy: ± 5% Resolution: 0.1 mm/s	• Electronic Stethoscope(Noise)Test Head set: Stereo type
Frequency response: 10HZ – 1KHZ	Contact tip: 220mm Stainless Steel rod
• Laser Tachometer measuring Range: 10 – 30000 rpm Resolution:1 rpm Accuracy: ± (1 rev. + 0.1% of reading)	• Power: Rechargeable Battery Pack with Charger
• Infrared Temperature Range: 0 - 550°C Resolution:1°C Accuracy: ± 2% of reading or 2°C Field of View: D/S = Approx. 8:1 ratio	• Display: 2 x 16 line back light dot matrix LCD
• Current Clamp measuring range: 1 – 200 Amps Resolution:1Amp	• Operating Temp. Range: 0 - 55°C
	• Sealed Membrane key pad
	• Input Connectors: BNC & Round
	• Casing: ABS
	• Size: 200x100x40 mm
	• Weight: 500gms (Approximately)

Standard Supply:

- 1) Machine Conditioner 910 with Protective Pouch,
- 2) Vibration Transducer (Accelerometer), Magnetic Base, Low Noise Cable with connectors (1.5 Mtrs),
- 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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