

BEARING CONDITION ANALYZER - 999

8 Functions in one

Bearing (Shock Pulse), Vibration, Tachometer, Infrared Temperature and Current Clamp



Features

- **Bearing (Shock Pulse) measurement**
(Mechanical & lubrication, damage development of bearing)
- **Vibration Measurement all three parameters**
(Displacement, Acceleration & Velocity)
- **Laser Tachometer measurement**
- **Infrared Temperature measurement**
- **Current Clamp measurement**
 - Direct indication of machine condition in terms of good–reduced-bad in bearing function
- Microprocessor based
- Data logger
- 1250 points data logger
- RS 232 Computer interface
- Data transmission software
- Back light LC Display
- Auto Off
- Battery Low Indication

Protective Maintenance: To increase equipment availability with an effective machinery management program, it is important to apply the appropriate maintenance strategy for all plant equipment. A predictive maintenance program optimized for a typical plant environment has many rewards:

- Eliminate unplanned equipment shutdowns
- Extends the period between scheduled overhauls
- Reduced spare parts inventory
- Improves product quality, and ensure that new and rebuilt equipment meets specifications.

MCM Presents a small Micro Processor based diagnostic tool for comprehensive condition analysis of rotating machinery. Objective measurements of machine condition are needed as a reliable base for preventive maintenance. Now maintenance personal can **analyze bearing (mechanical & lubrication) condition, measure machine vibration, and check rotational speed, temperature & current** - with a single and easy to use instrument. The best way is to periodically monitor machine condition for production efficiency..

Technical Specifications

<ul style="list-style-type: none"> • Bearing (Shock Pulse) measuring Range: -19 to 99dBpv 	<ul style="list-style-type: none"> • Current Clamp measuring range: 1–200 Amps (A/C)
Resolution: 1 dBpv	Resolution: 1Amp
<ul style="list-style-type: none"> • Vibration Velocity : 0.1 – 200 mm/s True RMS 	Accuracy: ± 2%
<ul style="list-style-type: none"> • Acceleration: 0.1 – 200m/s² Peak 	Clamp jaw size: 16mm dia.
<ul style="list-style-type: none"> • Displacement: 0.5 – 2000 µm Peak – Peak 	Head set: Stereo type
Resolution: 0.1 mm/s	<ul style="list-style-type: none"> • Power: Rechargeable battery Pack
Accuracy: ± 2% + 0.1 mm/s	<ul style="list-style-type: none"> • Display: 4 x 16 line back light dot matrix LCD
Frequency response: 10 – 1kHz	<ul style="list-style-type: none"> • Operating Temp. Range: 0 - 55°C
<ul style="list-style-type: none"> • Laser Tachometer measuring Range: up to 19,999 rpm 	<ul style="list-style-type: none"> • Sealed Membrane key pad
Resolution: 1 rpm	<ul style="list-style-type: none"> • Input Connectors: BNC, TNC & Round
Accuracy: ± (1 rev. + 0.1% of reading)	<ul style="list-style-type: none"> • Casing: ABS
<ul style="list-style-type: none"> • Infrared Temperature Range: 0 - 550°C 	<ul style="list-style-type: none"> • Size: 230x100x45 mm
Resolution: 1°C	<ul style="list-style-type: none"> • Weight: 750gms (Approximately)
Accuracy: ± 2% of reading or 2°C	
Field of View: D/S = Approx. 8:1 ratio	

Data logging facility is available for the following functions:

- * Velocity
- * Acceleration
- * Displacement
- * Laser Tachometer
- * Infrared Temperature
- * Current Clamp

Note: Data logging facility is not available for BEARING FUNCTION.

Standard Supply

- Bearing Condition Analyzer - 999
- Bearing Probe - 1no
- Head Phone - 1no
- Vibration sensor - 1set (Magnetic base, Hand held probe rod, Cable with connectors)
- Laser Tachometer Probe - 1no
- Infrared Temperature Probe - 1no
- Current Clamp - 1no
- Software CD - 1no
- RS232/USB Interface Cable - 1no
- Charger - 1 no
- Manual for Instrument - 1no
- Manual for Software - 1no
- Test & Calibration Report with Warranty/Guarantee Certificate
- Carry Bag

Technical data are subject to change without notice



MCM INSTRUMENTS

(An ISO 9001:2008 Certified Company)

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