



# Bearing Checker – 880Plus

5 Functions in one

Shock Pulse Function, Vibration Velocity, Acceleration, Displacement & Laser Tachometer Function

## Features:

- **Shock Pulse measurement**  
(Mechanical & lubrication, damage development of bearing)
- **Mechanical Condition of bearings**
- **Lubrication condition of bearings**
- **Damage severity readings for rolling bearings**
- **Vibration Measurement all three parameters**  
(Displacement, Acceleration & Velocity)
- **Laser Tachometer measurement**
- **Direct indication of machine condition**  
in terms of good–reduced–bad in bearing function
- **Microprocessor based** ▪ **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 condition** (mechanical & lubrication) / **detect machine vibration, and check rotational speed** - 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"> <li>• <b>Shock Pulse Function: Measuring Range:</b> -19 to 99 dBpv</li> </ul>	<ul style="list-style-type: none"> <li>• Power: Lithium Ion rechargeable Battery 7.4V, 2500mAh</li> </ul>
Resolution: 1 dBpv	• Display: 4 x 16 line back light dot matrix LCD
Bearing Condition: Green, Yellow and Red indication in LCD display	• Operating Temp. Range: 0 - 55°C
• <b>Vibration Function: ISO 2372 / ISO 10816</b>	• Sealed Membrane key pad
• <b>Velocity:</b> 0.1 –199.9 mm/s True RMS, 282mm/s PK, 565 mm/s PK-PK	• Input Connectors: BNC, TNC & Round
• <b>Acceleration:</b> 0.1 – 199 m/s <sup>2</sup> RMS, 282 m/s <sup>2</sup> PK, 565 m/s <sup>2</sup> PK-PK	• Casing: ABS
• <b>Displacement:</b> 1 –1000 µm RMS, 1414 µm PK, 2800 µm Peak – Peak	• Size: 230x100x45 mm
Resolution: 0.1 mm/s	• Weight: 750gm. App.(Instrument)
Accuracy: ± 2% + 0.1 mm/s	
Frequency response: 10 – 1kHz	
• <b>Laser Tachometer: Measuring Range:</b> up to 20,000 rpm	
Resolution: 1 rpm	
Accuracy: ± (1 rev. + 0.1% of reading)	

## **Standard Supply**

- Bearing Checker – 880Plus  
With protective cover
- Shock Pulse Probe - 1no
- Head Phone - 1no
- Vibration sensor - 1set (Magnetic base, Hand held probe rod, Cable with connectors)
- Laser Tachometer Probe - 1no
- Battery Charger - 1 no
- Instrument Manual - 1no
- Test & Calibration Report with Warranty/Guarantee Certificate
- Carry Bag



## **MCM INSTRUMENTS**

Plot No.82 , "MCM BHAVAN", Sai Anurag Colony,  
Bachupally - 500090, Hyderabad, Telangana State, India.  
Email: [mcm\\_instrument@yahoo.co.in](mailto:mcm_instrument@yahoo.co.in) / [info@mcmstruments.com](mailto:info@mcmstruments.com)  
[www.mcmstruments.com](http://www.mcmstruments.com)  
Mob: + 91 9440375328, + 91 9440845436

