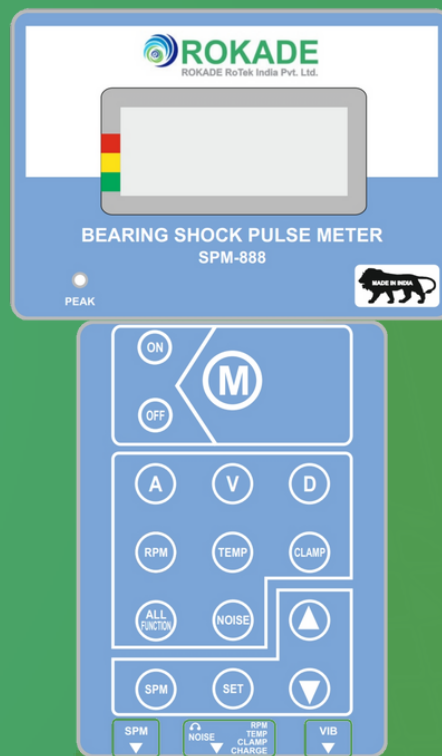




ROKADETM
ROKADE RoTek India Pvt. Ltd.

ROKADE BEARING SHOCK PULSE METER



Bearing Tester

Vibration tester

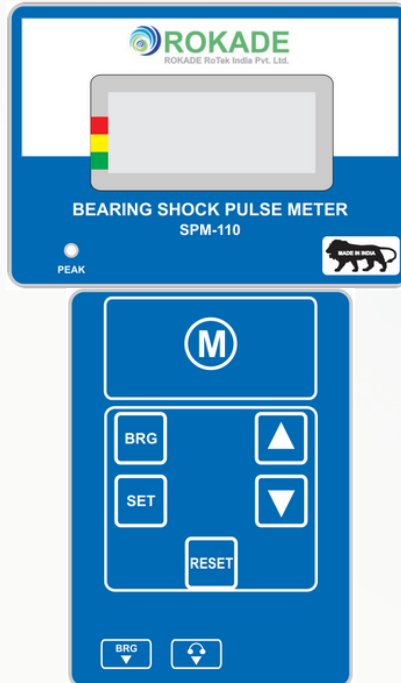
Laser Tachometer

www.rokadegroup.com

ROKADE - Bearing Shock Pulse Meter (SPM-110)

Features

- Direct indication of machine condition in terms of good - reduced - bad.
- Mechanical Condition of bearings
- Lubrication condition of bearings
- Damage severity readings for rolling bearings
- Microprocessor based
- Back light LC Display
- Memory (Single Point)
- Battery Low Indication
- Auto Power Off



SPM 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 with a single and easy to use instrument. The best way is to periodically monitor bearing condition and replace the bearing at the right time by least influencing the production efficiency.

Technical Specification

Measuring range (Shock Pulse)	-19 to 99 dBpv
Resolution	1 dBpv
Laser Tachometer	
Measuring range	Up to 19,999 RPM
Measuring Distance	Up to 2 feet
Resolution	1 rpm
Operating Temperature	0 °C to 50 °C
Display	16x4 line Dot Matrix LCD
Keypad	Sealed membrane
Auto Power Off	Yes
Power	1.5 x 6 AA Alkaline Batteries

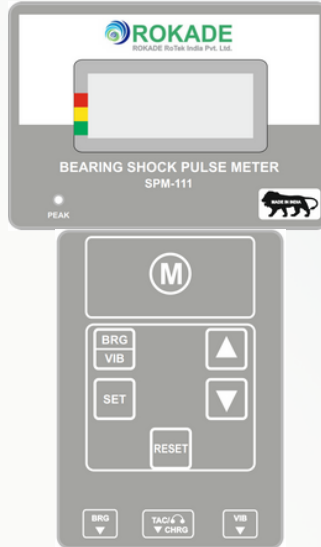
Standard Supply:

1) Bearing Shock Pulse Meter-110 with Pouch, 2) Bearing Probe, 3) Instruction Manual, 4) Batteries-6 Nos, 5) Head Phone, 6) Test & Calibration Report with Warranty/Guarantee Certificate & 7) Carry Bag.

ROKADE Bearing Shock Pulse Meter (SPM-111)

Features

- Direct indication of machine condition in terms of good - reduced - bad in condition scale
- Detects Mechanical Condition of Bearings
- Damage severity readings of bearings
- Detects Lubrication condition of ball-and-roller- type Bearings
- Non-contact measurements of rotational speed
- Vibration Measurements according to ISO recommendations.



SPM-111 is 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 person can analyze bearing condition, measure machine vibration and check rotational speed - with a single and easy to use instrument. The best way is to periodically monitor bearing condition and replace the bearing at the right time by least influencing the production efficiency.

Technical Specification

Bearing Tester Function		Laser Tachometer Function	
Measuring range (Shock Pulse)	-19 to 99 dBpv	Measuring range	Up to 19,999 RPM
Resolution	1 dBpv	Measuring Distance	Up to 2 feet
Vibration Tester Function		Resolution	1 rpm
Measuring Range	0.1 to 99.9mm/s RMS	Temperature range	0 oC to 50 oC
Resolution	0.1 mm/s	Display	16x4 line Dot Matrix LCD
Accuracy	+/- (2% + 0.1 mm/s)	Keypad	Sealed membrane

Standard Supply:

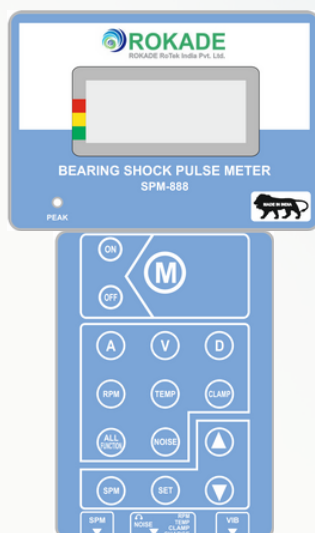
1) ROKADE Bearing Shock Pulse Meter (SPM-111) with Protective Pouch, 2) Bearing Probe, 3) Vibration Transducer VSF-1F (Accelerometer), Magnetic Base, Low Noise Cable with Connectors 1.5Mtrs, Hand-Held Probe rod, 4) Head Phone , 5) Laser Tachometer with Reflecting Tapes, 6) Manual, 7) Batteries-6 nos (1.5V AA), 8) Test & Calibration Report with Warranty/Guarantee Certificate & 9) Carry Bag.

ROKADE - Bearing Shock Pulse Meter (SPM-888)

Bearing (Shock Pulse), Vibration (Vel, Accl & Disp.) Tachometer, Infrared Temperature, Stethoscope & Current Clamp

Features

- 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 (A/C)
- Direct indication of machine condition in terms of good-reduced-bad in bearing function
- Stethoscope (Mechanical sounds detection) For easy location of machinery noise in Industrial Environment
- Microprocessor based
- Back light LC Display
- Auto Off
- Battery Low Indication



Bearing Monitoring:

Bearing Shock Pulse Meter 888 gives a direct indication of bearing condition on a green-yellow-red scale which allows an instant distinction between good and bad bearings.

The Bearing Shock Pulse Meter 888 indicate bearing damage by displaying:

- an arrow against the red sector of the condition scale
- (SI) a severity index number which increases with the severity of surface damage.
- (BS) Bearing Status D = typical damage pattern detected

Analyzing lubrication condition:

Very large sums can be saved if bearing life can be extended by improving lubrication. The Bearing Shock Pulse Meter 888 displays a lubrication number(LFT) which increases in proportion with the thickness of the lubricant film between the rolling elements and the raceway in the loaded part of the bearing

Technical Specification

Measuring range (Shock Pulse) : -19 to 99 dBpv	Current Clamp measuring range: upto 200 Amps
Resolution : 1 dBpv	Resolution: 1Amp
Vibration Velocity : 0.1 – 200 mm/s True RMS	Accuracy: $\pm 2\%$
Acceleration: 0.1 – 566m/s ² Peak	Clamp jaw size: 16mm dia
Displacement: 1 – 2800 μ m Peak – Peak	Frequency: 30 hz – 20 khz
Resolution: 0.1 mm/s	Head set: Stereo type
Accuracy: $\pm 2\% + 0.1$ mm/s	Power: Rechargeable Battery
Frequency response: 10 – 1khz	Display: 4 x 16 line back light dot matrix LCD
Laser Tachometer measuring Range: up to 20,000 rpm	Operating Temp. Range: 0 – 55°C
Resolution: 1 rpm	Sealed Membrane key pad
Accuracy: $\pm (1 \text{ rev.} + 0.1\% \text{ of reading})$	Input Connectors: BNC,TNC & MIC
Infrared Temperature Range: 0 – 550°C	Casing: ABS
Resolution: 1°C	Size: 230x100x45 mm
Accuracy: $\pm 2\%$ of reading or 2°C	Weight: 750gms (Approximately)
Field of View: D/S = Approx. 8:1 ratio	

Standard Supply:

Bearing Shock Pulse Meter – 888 With protective cover, Bearing Shock Pulse Probe - 1no, Head Phone - 1no
 Vibration sensor - 1no, Power full Magnetic Base - 1no, Hand held probe rod, Cable with connectors 1no, Laser
 Tachometer Probe - 1no, Infrared Temperature Probe - 1no, Current Clamp -1no, Charger - 1 no, Instrument Manual - 1no,
 Test & Calibration Report with Warranty/Guarantee Certificate Carry Bag

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