Bearing (Shock Pulse) Condition Analyzer -110

*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 Off

Bearing Condition (Shock Pulse) Analyzer BVT-110.

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 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.

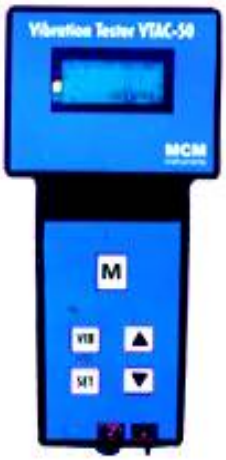
Technical Specifications:

Measuring range	-19 to 100dBpv
Resolution	1 dBpv
Operating Temperature:	0°C to 50°C
Display	16x4 line Dot Matrix LCD with back light

Keypad:	Seale membrane
Auto Off	Yes
Power	9v battery

Vibration Tester- 710 Data Logger

Displacement, Acceleration & Velocity



Features

- Vibration Measurement all three Parameters (Displacement, Acceleration & Velocity)
- Suitable for monitoring machinery vibration caused by imbalance, misalignment & gear faults
- Microcontroller based
- Battery Low Indication
- Back light LC Display
- Small size & Light weight
- Auto Power off
- 750 points Data logger
- RS232 computer interface
- **D**ata transmission software

Technical Specifications

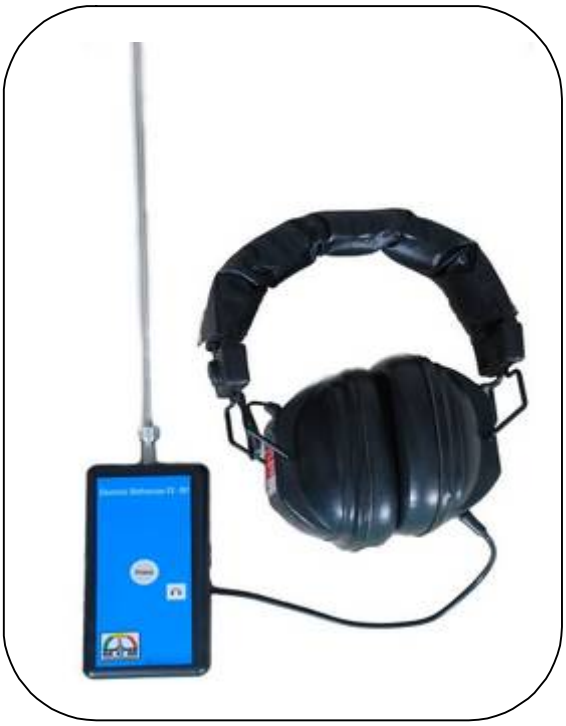
■ Vibration Velocity: 0.1 – 200 mm/s True RMS	• Display: 2 x 16 line back light dot matrix LCD
■ Acceleration: 0.1 – 200m/s² Peak	• Operating Temp. Range: 0 - 55ºC
■ Displacement: 0.5 – 2000 µm Peak - Peak	• Casing: ABS
Resolution: 0.1 mm/s	• Sealed Membrane key pad
Accuracy: ± 2% + 0.1 mm/s	• Input Connectors: BNC & Round
Frequency response: 10 – 1khz	• Size:200x100x40 mm
• Power: Rechargeable battery Pack with charger	• Weight: 650gms (Appro.)

Standard Delivery

01. Vibration Tester-710
02. Vibration Transducer (Accelerometer), Magnetic Base, Handheld probe rod, Cable with connectors (1.5 meter)
03. **D**ata transmission software 04. Data Cable 05. Battery Charger
06. Manual with guarantee card 07. Calibration Certificate 06.Carry case

Electronic Stethoscope ES – 801

For easy location of machinery noise in industrial environments



A Practical maintenance aid from MCM

The need to eavesdrop on mechanical sounds within machinery is essential in any maintenance department. Mechanical faults can often be heard. The problem is to locate the sound source quickly and accurately in a generally noisy environment.

The electronic stethoscope is a sensitive listening stick, for location of all kinds of machinery noise. Valve chatter, tappet noise, piston slap, gear and pump noise and the operation of relays and solenoids are just a few of the many noises that may be traced, amplified and assessed with this device.

To install the battery: Open the cover from battery compartment. Install a 9V battery (Alkaline) and replace the cover. A battery should last for about 27 hours of normal operation.

Store the stethoscope at normal room temperature. Remove the battery before storing the instrument for a long period of time. Battery leakage can destroy it.

The probe tip should be attached by hand. Do not use tools.

Technical data

Frequency range: 5Hz to 10KHZ
Output Volume: Two Levels (High & Low)
Power on Indicator: Yes
Battery Low Indication: Yes
Head set: 200Ω
Switching off: Auto / Manual
Battery: 9V Alkaline
Battery Life: 27 hr continuous use
Dimensions of Head phone: 220 x 130 x 100mm
Probe tip length: 300mm
Weight: 1000g

Standard Accessories

1. Probe Tip 300 mm
2. Head Phone
3. 9V Alkaline Battery
4. Instruction Sheet
5. Carry Bag

Machine Conditioner- 803

3 functions in one

Vibration, Tachometer, Electronic Stethoscope (Noise) Function

Features

- Vibration Measurement all three Parameters (Displacement, Acceleration & Velocity)
- Noise Test (Electronic Stethoscope)
  Locate the sound source quickly and accurately in a generally noisy environment with headset
- Laser Tachometer measurement
- Suitable for monitoring machinery vibration caused by imbalance, misalignment & gear faults
- Microcontroller based
- Battery Low Indication
- Data Hold
- Back light LC Display
- Small size & Light weight
- Auto Power off

Technical Specifications

▪ **Vibration Velocity** : 0.1 – 200 mm/s True RMS	Accuracy: ± (1 rev. + 0.1% of reading)
▪ **Acceleration**: 0.1 – 200m/s² Peak	• Power: Recharge Battery Pack with charger
▪ **Displacement**: 0.5 – 2000 µm Peak - Peak	• Display: 2 x 16 line back light dot matrix LCD
Resolution: 0.1 mm/s	• Operating Temp. Range: 0 - 55ºC
Accuracy: ± 2% + 0.1 mm/s	• Casing: ABS IP65
Frequency response: 10 – 1khz	• Sealed Membrane key pad
▪ **Electronic Stethoscope** (Noise)**:** Stereo type Head Set	• Input Connectors: BNC & Round
Contact Probe Tip: 290mm Stainless Steel	• Size:200x100x40 mm
▪ **Laser Tachometer**: 10 – 30000 rpm	• Weight: 650gms (Appro.)
Resolution: 1 rpm	

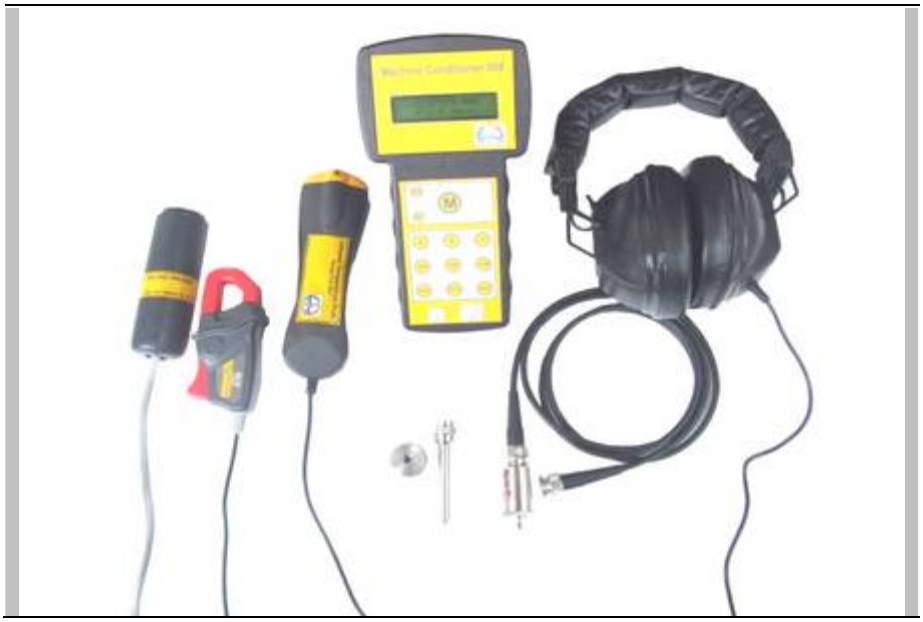
Standard Delivery

01. Machine Conditioner 803 instrument
02. Vibration Transducer (Accelerometer) VSF-1F, Magnetic Base, Handheld probe rod, Cable low noise 1.5 meter
03. Head Phone & contact probe 75mm long 04. Laser Tachometer Probe set 05. Rechargeable battery Pack with Charger
06. Manual with guarantee card 08. Calibration certificate 09. Carry case

Machine Conditioner- 808

5 functions in one

Vibration, Tachometer, Infrared Temperature, Current Clamp, Noise Test



Features

- Vibration Measurement all three parameters
(Displacement, Acceleration & Velocity)
- Laser Tachometer measurement
- Infrared Temperature measurement
- Current Clamp measurement
- Electronic Stethoscope (Noise)Test
(Locate the sound source quickly and accurately in a generally noisy environment with headset)
- Suitable for monitoring machinery vibration caused by imbalance, misalignment & gear faults
- Microcontroller based
- Battery Low Indication
- Data Hold
- Back light LC Display
- Small size & Light weight
- Auto Power off

Technical Specifications

▪ **Vibration Velocity**:0.1 – 200 mm/s True RMS	Resolution:1Amp
▪ **Acceleration**:0.1 – 200m/s² Peak	Accuracy: ± 2%
▪ **Displacement**:0.5 – 2000 µm Peak - Peak	Clamp jaw size: 16mm dia.
Resolution: 0.1 mm/s	▪ **Electronic Stethoscope(Noise)Tester Function:**
Accuracy: ± 2% + 0.1 mm/s	Head set: Stereo type
Frequency response: 10 – 1khz	Contact Probe rod: 290mm Stainless Steel rod
▪ **Laser Tachometer measuring Range**:10 – 30000 rpm	• Power: Recharge Battery Pack with Charger
Resolution:1 rpm	• Display: 2 x 16 line back light dot matrix LCD
Accuracy: ± (1 rev. + 0.1% of reading)	• Operating Temp. Range: 0 - 55ºC
▪ **Infrared Temperature Range**:0 - 550°C	• Sealed Membrane key pad
Resolution:1°C	• Input Connectors: BNC & Round
Accuracy: ± 2% of reading or 2ºC	• Casing: ABS IP65
Field of View: D/S = Approx. 8:1 ratio	• Size: 200x100x40 mm
▪ **Current Clamp measuring range**:0 – 200 Amps	• Weight: 500gms

Standard Delivery

* Machine Conditioner 808 instrument *Protective Pouch
*. Vibration Transducer (Accelerometer) VSF-1F * Magnetic Base * Handheld probe rod * Cable (low noise) with connectors
* Head Phone & contact probe rod * Laser Tachometer Probe set * Infrared Temperature Probe
* Current Clamp Probe * Battery Charger * Manual with guarantee card * Calibration Certificate 10. Carry case

Vibration Conditioner- 810 Data Logger

Vibration Function, Tachometer Function & Noise

Features

- Vibration Measurement all three Parameters (Displacement, Acceleration & Velocity)
- Noise Test (Electronic Stethoscope) Locate the sound source quickly and accurately in a generally noisy environment with headset
- Laser Tachometer measurement
- Suitable for monitoring machinery vibration caused by imbalance, misalignment & gear faults
- Microcontroller based
- Battery Low Indication
- Back light LC Display
- 1000 points Data logger
- RS232 computer interface
- **D**ata transmission software
- Small size & Light weight
- Auto Power off

Technical Specifications

▪ Vibration Velocity : 0.1 – 200 mm/s True RMS	Accuracy: ± (1 rev. + 0.1% of reading)
▪ Acceleration: 0.1 – 200m/s² Peak	• Power: Rechargeable battery Pack with charger
▪ Displacement: 0.5 – 2000 µm Peak - Peak	• Display: 2 x 16 line back light dot matrix LCD
Resolution: 0.1 mm/s	• Operating Temp. Range: 0 - 55ºC
Accuracy: ± 2% + 0.1 mm/s	• Casing: ABS
Frequency response: 10 – 1khz	• Sealed Membrane key pad
▪ Electronic Stethoscope (Noise): Stereo type Head Set	• Input Connectors: BNC & Round
▪ Laser Tachometer measuring Range: 10 – 30000 rpm	• Size:200x100x40 mm
Resolution: 1 rpm	• Weight: 500gms (Appro.)

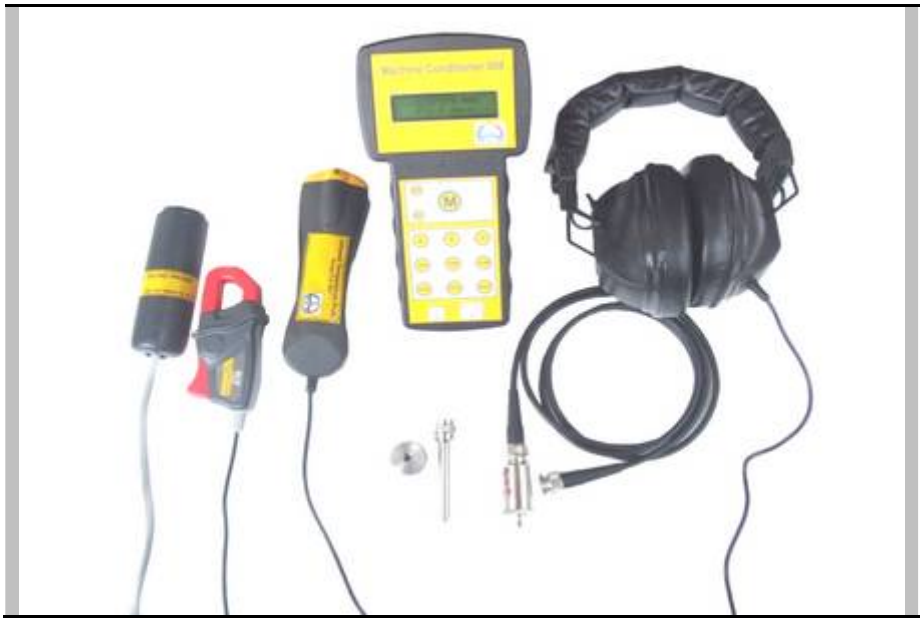
Standard Delivery

01. Machine Conditioner -810
02. Vibration Transducer (Accelerometer), Magnetic Base, Handheld probe rod, Cable with connector (1.5 meter)
03. Noise Probe with head Phone 04. Laser Tachometer Probe 05. **D**ata transmission software CD 06. Data Cable 07.Charger
08. Manual with guarantee card 09. Calibration Certificate 10. Protective Pouch 11.Carry case

Machine Conditioner- 910 Data Logger

5 functions in one

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



Features

- Vibration Measurement (Displacement, Acceleration & Velocity)
- 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)
- Suitable for monitoring machinery vibration caused by imbalance, misalignment & gear faults
- 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

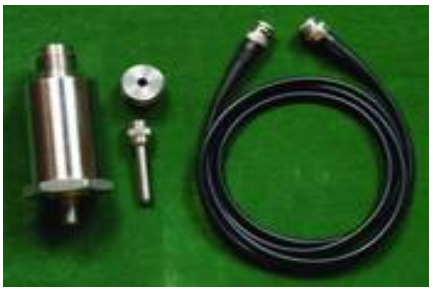
▪ **Vibration Velocity**:0.1 – 200 mm/s True RMS	Resolution:1Amp
▪ **Acceleration**:0.1 – 200m/s² Peak	Accuracy: ± 2%
▪ **Displacement**:0.5 – 2000 µm Peak - Peak	Clamp jaw size: 16mm dia.
Resolution: 0.1 mm/s	▪ **Electronic Stethoscope(Noise)Tester Function:**
Accuracy: ± 2% + 0.1 mm/s	Head set: Stereo type
Frequency response: 10 – 1khz	Contact Probe rod: 290mm Stainless Steel rod
▪ **Laser Tachometer measuring Range**:10 – 30000 rpm	• Power: Recharge Battery Pack with Charger
Resolution:1 rpm	• Display: 2 x 16 line back light dot matrix LCD
Accuracy: ± (1 rev. + 0.1% of reading)	• Operating Temp. Range: 0 - 55ºC
▪ **Infrared Temperature Range**:0 - 550°C	• Sealed Membrane key pad
Resolution:1°C	• Input Connectors: BNC & Round
Accuracy: ± 2% of reading or 2ºC	• Casing: ABS IP65
Field of View: D/S = Approx. 8:1 ratio	• Size: 200x100x40 mm
▪ **Current Clamp measuring range**:0 – 200 Amps	• Weight: 500gms

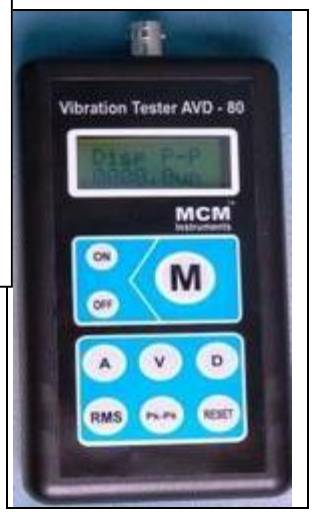
Standard Delivery

* Machine Conditioner 910 * Protective Pouch
*. Vibration Transducer (Accelerometer) * Magnetic Base * Handheld probe rod * Cable with connectors
*Noise Probe head Phone & contact probe rod * Laser Tachometer Probe set * Infrared Temperature Probe
* Current Clamp Probe * Battery Charger * Manual with guarantee card * Calibration Certificate 10. Carry case

VIBRATION TESTER AVD - 80

Displacement, Acceleration & Velocity





Features

- Measuring Vibration: Displacement , Acceleration and Velocity
- True RMS measurement&Peak-Peak
- Sealed Membrane key pad
- Suitable for monitoring machinery vibration caused by imbalance, misalignment and gear faults
- Micro Controller based
- Back Light Display
- Auto Off
- Battery Low Indication
- Pocket size and Light weight

Vibration Tester AVD -80 Micro Controller Based has been designed as simple diagnostic tool for preventive maintenance. The instrument and the monitoring technique are based on the recommendations of ISO standard. Need based maintenance is the latest trend of industry with which maintenance costs are low and life machinery is most optimum. Condition monitoring is basic need for need maintenance.

All three useful measurements are possible. Displacement, Velocity and acceleration modes allow a user to perform basic vibration analysis

Technical Data

■ Displacement Measuring Range:	0 - 2828µm (0.0001-2.800mm) PK - PK & True RMS
■ Velocity Measuring Range:	0 - 565 mm/s True RMS & PK – PK
■ Acceleration Measuring Range:	0 - 565 m/s2 PEAK – PK & True RMS
■ Resolution:	0.1mm/s
■ Accuracy:	± (2% + 0.1mm/s)
■ Frequency response :	10 - 1KHZ (60 to 60000) cpm
■ Power Supply:	9V - 6 F22
■ Display:	2 x 8 Dot Matrix LCD Large Characters with back light
■ Auto Off:	Yes
■ Battery Low Indication:	Yes
■ Weight:	200gms

STANDARD DELIVERY

■ Vibration Tester AVD-80 ■ Vibration Transducer (Accelerometer) ■ Magnetic Base ■ Hand held probe rod ■ Cable low noise ■ manual ■ Battery ■ Carry case ■ Calibration Certificate

Bearing (Shock Pulse) Condition Analyzer BVT-111

Three Instruments in one Instrument

Bearing Condition Monitoring

Machine Vibration Monitoring

Rotational Speed

FEATURES

- Direct indication of machine condition in terms of good – reduced – bad in condition scale
- Detect mechanical condition of bearings
- Damage severity readings of bearings
- Detecting lubrication condition of ball-and-roller- type Bearings
- Non-contact measurements of rotational speed
- Vibration Measurements according to ISO recommendations.

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**, **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 Specifications:

Bearing Tester Function		**Laser Tachometer Function**	
* Measuring range (Shock Pulse)	-19 - 100 dBpv	* Measuring range	10 to 20000 RPM
* Resolution	1 dBpv	*Measuring Distance	10 feet
Vibration Tester Function		* Resolution	1 rpm
* Measuring Range	0.1 to 99.9mm/s RMS	* Temperature range	0°C to 50°C
* Resolution	0.1 mm/s	* Display	16x4 line Dot Matrix LCD
* Accuracy	+/- (2% + 0.1 mm/s)	* Keypad	Seale membrane

Bearing (Shock Pulse) Condition Analyzer BVT-111N

Four Instruments in one

Bearing Condition & Noise Monitoring | Machine Vibration Monitoring | Rotational Speed

FEATURES

- Direct indication of machine condition in terms of good – reduced – bad in condition scale
- Detect mechanical condition of bearings
- Damage severity readings of bearings
- Detecting lubrication condition of ball-and-roller- type Bearings
- Non-contact measurements of rotational speed
- Vibration Measurements according to ISO recommendations.

*__Electronic stethoscope(Noise__)

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**, **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.

The need to eavesdrop on mechanical sounds within machinery is essential in any maintenance department. Mechanical faults can often be heard. The problem is to locate the sound source quickly and accurately in a generally noisy environment.
The electronic stethoscope is a sensitive listening stick, for location of all kinds of machinery noise. Valve chatter, tappet noise, piston slap, gear and pump noise and the operation of relays and solenoids are just a few of the many noises that may be traced, amplified and assessed with this device.

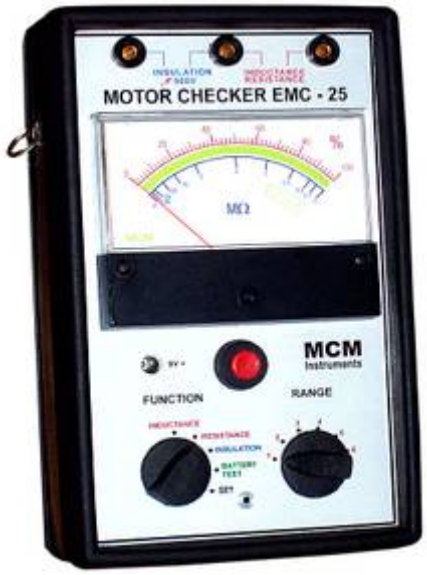
Technical Specifications:

Bearing Tester Function		**Laser Tachometer Function**	
* Measuring range (Shock Pulse)	-19 - 100 dBpv	* Measuring range	10 to 20000 RPM
* Resolution	1 dBpv	*Measuring Distance	10 feet
Vibration Tester Function		* Resolution	1 rpm
* Measuring Range	0.1 to 99.9mm/s RMS	* Temperature range	0°C to 50°C
* Resolution	0.1 mm/s	* Display	16x4 line Dot Matrix LCD
* Accuracy	+/- (2% + 0.1 mm/s)	* Keypad	Seale membrane
***Electronic Stethoscope (Noise)**	With Head phone		

MOTOR CHECKER EMC - 25

Electric Motor, Generator and Transformer Trouble Shooter

Know in a few minutes what the problem is: Electrical or Mechanical, coil or rotor, internal fault or ground fault



Features:

- Insulation Resistance Measurement (IR)
- Identify open and short circuits / loose connections in a winding coil
- Identify inter turn shorts.
- Detect rotor bar problems without dismounting the rotor
- Inductance of the winding with respect to different positions for rotor for detecting blow holes or cracks in the rotor bars.
- Simple operation, accurate & quick assessment of motor condition.

Fast Checks of On-Line Motors:

EMC-25 is a portable diagnostic tool for Electrical Engineer and is used for quick on site checks of electric three-phase machines.

A reduction in machine performance, such as inefficient operation or tripping of overloads, may indicate mechanical or electrical faults. If the fault is electrical the EMC-25 will immediately detect it, without having to dismantle the equipment.

The EMC-25 may also be used to check quality and condition of motors which have been in storage before they are installed.

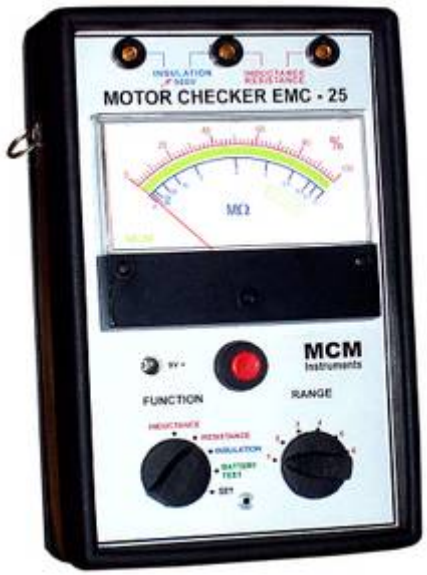
The instrument has three separate operating modes to measure different types of fault like **fully insulation, open circuits / loose connections, short circuits and rotor defects. Motor insulation is tested with a high voltage of 500V DC supplied by the instrument.**

Technical Specifications:

Insulation Resistance: ± 5%	0-20 Meg ohms at 500 VDC, (max. current 0.25mA)
Resistance: ± 2%	0-60 ohms in 6 ranges (0.2 ohms F.S.D. in range 6
Inductance: ± 2%	0-300mH in 6 ranges (1mH F.S.D. in range 6)
Operating Temp. range	0 - 55°C
Size	210x125x65
Weight	1000gms (Approx.)
Power	1.5V x 6AA size cells or (rechargeable battery operated)
Electronic Zero set facility	Yes

MOTOR CHECKER EMC – 25Plus

Electric Motor, Generator and Transformer Trouble Shooter
Know in a few minutes what the problem is: Electrical or Mechanical, coil or rotor, internal fault or ground fault



Features:

- Insulation Resistance Measurement (IR)
- Identify open and short circuits / loose connections in a winding coil
- Identify inter turn shorts.
- Detect rotor bar problems without dismounting the rotor
- Inductance of the winding with respect to different positions for rotor for detecting blow holes or cracks in the rotor bars.
- Simple operation, accurate & quick assessment of motor condition.

Fast Checks of On-Line Motors:

EMC-25 Plus is a portable diagnostic tool for Electrical Engineer and is used for quick on site checks of electric three-phase machines.

A reduction in machine performance, such as inefficient operation or tripping of overloads, may indicate mechanical or electrical faults. If the fault is electrical the EMC-25 Plus will immediately detect it, without having to dismantle the equipment.

The EMC-25 Plus may also be used to check quality and condition of motors which have been in storage before they are installed.

The instrument has three separate operating modes to measure different types of fault like fully insulation, open circuits / loose connections, short circuits and rotor defects. Motor insulation is tested with a high voltage of 500V DC supplied by the instrument.

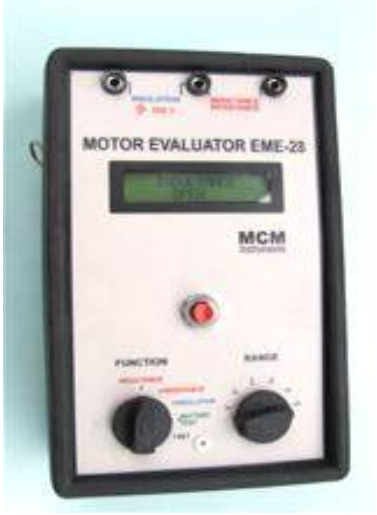
Technical Specifications:

Insulation Resistance: ± 5%	0-20 Meg ohms at 500 VDC, max. current 0.25mA
Resistance: ± 2%	0-200 ohms in 6 ranges(0.2Ω ,0.6Ω , 2Ω, 6Ω, 20Ω & 200Ω) F.S.D.
Inductance: ± 2%	0-1000mH in 6 ranges (3mH, 10mH, 30mH, 100mH 300mH & 1000mH F.S.D.)
Operating Temp. range	0 - 55°C
Size	210x125x65
Weight	1000gms (Approx.)
Power	1.5V x 6AA size cells

DIGITAL MOTOR CHECKER EMC-28

Electric Motor, Generator and Transformer Trouble Shooter

Know in a few minutes what the problem is: Electrical or Mechanical, coil or rotor, internal fault or ground fault



Features:

- Insulation Resistance Measurement
- Identify open and short circuits / loose connections in a winding coil
- Identify inter turn shorts.
- Detect rotor bar problems without dismounting the rotor
- Inductance of the winding with respect to different positions for rotor for detecting blow holes or cracks in the rotor bars.
- Simple operation, accurate & quick assessment of motor condition.

Fast Checks of On-Line Motors:

EMC-28 is a Digital portable diagnostic tool for Electrical Engineer and is used for quick on - site checks of electric motor and other three -phase machines.

A reduction in machine performance, such as inefficient operation or tripping of overloads, may indicate mechanical or electrical faults. If the fault is electrical the EMC-28 will immediately defect it, without having to dismantle the equipment.

The EMC-28 may also be used to check quality and condition of motors which have been in storage

Before they are installed.

The instruments has three separate operating modes to measure different types of faults like faults like fully insulation, open circuits / loose connections, short circuits and rotor defects. Motor insulation is tested with a high voltage of 500V DC supplied by the instrument.

Technical Specifications

A) **INSULATION RESISTANCE (IR)**: 0 – 200 MΩ at 500 V DC ± (2% + 1digit), 0.1 MΩ resolution

B) RESISTANCE:

RANGE	RESOLUTION
0 - 200 milli Ω	**0.10 milli Ω**
0 – 2 Ω	**0.001 Ω**
0 – 20 Ω	**0.01 Ω**
0 – 200 Ω	0.10 Ω

C) **INDUCTANCE**:

RANGE	RESOLUTION
0 – 2 m H	0.001 mH
0 – 20mH	0.01 mH
0 –200 mH	0.1 mH
0 –2000 mH	1 mH

* Display: 3½ LCD * Low battery Indication * Operating Temp. Range: 0- 55ºC

* Size: 210 x 125 x 65 * Weight : 1000gms (Appro.) * Power : 1.5V x 6 AA size (Battery Pack & Charger Optional)

DIGITAL MOTOR CHECKER EMC-38

Electric Motor, Generator and Transformer Trouble Shooter
Know in a few minutes what the problem is: Electrical or Mechanical, coil or rotor, internal fault or ground fault

Features:

- Insulation Resistance (IR) Measurement
- Identify open and short circuits / loose connections in a winding coil
- Identify intertern shorts.
- Detect rotor bar problems without dismounting the rotor
- Inductance of the winding with respect to different positions for rotor for detecting blow holes or cracks in the rotor bars.
- Simple operation, accurate & quick assessment of motor condition.
- Shock proofed rubber casing
- Low battery Indication

Fast Checks of On-Line Motors:

EMC-38 is a Digital portable diagnostic tool for Electrical Engineer and is used for quick on - site checks of electric motor and other three - phase machines.
A reduction in machine performance, such as inefficient operation or tripping of overloads, may indicate mechanical or electrical faults. If the fault is electrical the EMC-38 will immediately defect it, without having to dismantle the equipment.

The instruments has three separate operating modes to measure different types of faults like fully insulation, open circuits / loose connections, short circuits and rotor defects. Motor insulation is tested with a high voltage **of 500V & 1000V** DC supplied by the instrument.

Technical Specifications

A) **INSULATION RESISTANCE**: 0 – 200 MΩ at 500 V DC ± (2% + 1digit), 0.1 MΩ resolution
0 – 2000 MΩ at 1000 V DC ± (2% + 1digit), 0.1 MΩ resolution

B) RESISTANCE:

RANGE	RESOLUTION
0 - 200 milli Ω	**0.10 milli Ω**
0 – 2 Ω	**0.001 Ω**
0 – 20 Ω	**0.01 Ω**
0 – 200 Ω	0.10 Ω

C) **INDUCTANCE**:

RANGE	RESOLUTION
0 – 2 m H	0.001 mH
0 – 20mH	0.01 mH
0 –200 mH	0.1 mH
0 –2000 mH	1 mH

* Display:3½ LCD * Temp.Range:0- 55ºC * Size:210x125x65 * Weight:1000gms * Power: 6 AA size (Battery Pack with Charger Optional)

VIBRATION METER VIB-30Plus

Features

- Measuring Vibration Velocity
- True RMS measurement
- Sealed Membrane key pad
- Suitable for monitoring machinery vibration caused by imbalance, misalignment and gear faults
- Micro Controller based
- Back Light Display
- Auto Off
- Battery Low Indication with text
- Pocket size and Light weight

Vibration Meter VIB-30 Micro controllers based has been designed as simple diagnostic tool for preventive maintenance. The instrument and the monitoring technique are based on the recommendations of ISO standard.
Need based maintenance is the latest trend of industry with which maintenance costs are low and life machinery is most optimum. Condition monitoring is basic need for need maintenance.

This useful measurement are possible. Velocity mode allow a user to perform basic vibration analysis.

Technical Data

■ Velocity Measuring Range:	0.1 - 200 mm/s True RMS & PEAK
■ Resolution:	0.1mm/s
■ Accuracy:	± (2% + 0.1mm/s)
■ Frequency response :	10 - 1KHZ (60 to 60000) cpm
■ Power Supply:	9V - 6 F22
■ Display:	2 x 8 Dot Matrix LCD Large Characters with back light
■ Auto Off:	Yes
■ Battery Low Indication:	Yes
■ Weight:	200gms

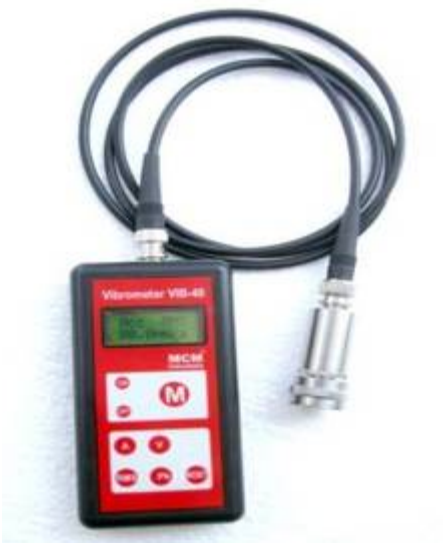
STANDARD DELIVERY

■ Vibration Meter VIB-30 ■ Vibration Transducer (Accelerometer) ■ Magnetic Base ■ Hand held probe rod ■ Cable low noise ■ manual ■ Battery ■ Carry case

VIBROMETER VIB - 40

Features

- Measuring Vibration Acceleration and Velocity
- True RMS measurement
- Sealed Membrane key pad
- Suitable for monitoring machinery vibration caused by imbalance, misalignment and gear faults
- Micro Controller based
- Back Light Display
- Auto Off
- Battery Low Indication with text
- Pocket size and Light weight



Vibrometer VIB-40 Micro controller based has been designed as simple diagnostic tool for preventive maintenance. The instrument and the monitoring technique are based on the recommendations of ISO standard.
Need based maintenance is the latest trend of industry with which maintenance costs are low and life machinery is most optimum. Condition monitoring is basic need for need maintenance.

All three useful measurements are possible. Velocity and acceleration modes allow a user to perform basic vibration analysis.

Technical Data

■ Velocity Measuring Range:	0.1 - 200 mm/s True RMS & PEAK
■ Acceleration Measuring Range:	0.1 - 200 m/s2 PEAK, True RMS
■ Resolution:	0.1mm/s
■ Accuracy:	± (2% + 0.1mm/s)
■ Frequency response :	10 - 1KHZ (60 to 60000) cpm
■ Power Supply:	9V - 6 F22
■ Display:	2 x 8 Dot Matrix LCD Large Characters with back light
■ Auto Off:	Yes
■ Battery Low Indication:	Yes
■ Weight:	200gms

STANDARD DELIVERY

■ Vibrometer VIB-40 ■ Vibration Transducer (Accelerometer) ■ Magnetic Base ■ Hand held probe rod ■ Cable low noise ■ manual ■ Battery ■ Carry case

VIBRATION Mini Analyzer VTAC - 50

Feature

- Vibration Condition Monitoring

- Direct indication of machine Vibration in terms of good - reduced – bad
- Accelerometer sensitivity setting
- Wide range of frequency
- Microprocessor based
- Vibration severity measurements according to ISO recommendations. **(ISO 2372)**
- Auto off
- Data memory (Single reading)
- Battery Low Indication

Vibration Monitoring

Standard Delivery:
Accelerometer, Magnetic Base, Probe rod, Cable, Battery, Manual with guarantee card, Calibration Certificate, Carry case.

Technical Specification

Vibration Tester Function	
Velocity Measuring Range	0 .1 to 100 mm/s True RMS
Resolution	0.1 mm/s
Accuracy	+/- (1% + 0.1 mm/s)
Temperature range:	0°C to 50°C
Display:	16x4 line Dot Matrix back light LC Display
Keypad:	Sealed membrane
Casing:	ABS
Power Supply:	9V battery recharge type with charger
Weight:	500 gms.