



# 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 dismantling 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

## Machine Condition Monitoring Instruments

Plot no: 4, Sri Vaishnavi Homes, Ramakrishna Nagar, Madinaguda, Hyderabad- 500 049.

Tel no: +91-40 64547744, Mobile:+919908747296, +919440845436

Email: [mcm\\_instrument@yahoo.co.in](mailto:mcm_instrument@yahoo.co.in) , Web: [www.mcmstruments.com](http://www.mcmstruments.com)