

# DIGITAL MOTOR CHECKER EMC-28

## Electric Motor, Generator and Transformer Trouble Shooter

**Know in a few minutes what the problem 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 intertern 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-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

\* **Insulation Test: ( $\pm 2\% + 1d$ )** 0 - 20 M ohms at 500V. max. current 0.25Ma

\* **Resistance Test: ( $\pm 2\%$  of FSR)** 0 -200 ohms, 0-20 ohms, 0-2 ohms, 0-200milli ohms

\* **Inductance Test: ( $\pm 2\%$  of FSR)** 0-2000mH, 0-200mH, 0-20mH, 0-2mH

\* Display : 3½ LCD \* Low battery Indication : Yes \* Operating Temp. Range: 0- 55°C

\* Size : 210 x 125 x 65 \* Weight : 1000gms (Appro.) \* Power : 1.5V x 6 AA size

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