



Motor Tester SMT-20

SANKHYA

**Reliable Instrument for Electrical fault identification
without opening the machine**



Features :

- Insulation Resistance Measurement up to 2000M Ω with 500V & 1000V.
- Low battery indication.
- Identify open circuits & loose connections as low as a few milli ohms.
- Identify interturn shorts.
- Detect rotor bar problems without dismounting the rotor.
- Simple operation, accurate & quick assessment of Motor condition.

Motor Tester SMT-20 is a simple and easy to use multifunctional tester for checking electrical condition of 3 phase machines up to 200 HP and also can be used for testing relay coils, Single Phase motors, fans, DC Machines, Power Semiconductor devices etc.,

MOTOR TESTER SMT-20 MEASURES :

Insulation resistance of winding at 500 VDC/1000 VDC max for detecting leakage between winding to winding or to earth.

Resistance of the windings for detecting the open circuits / loose connections dry solder in a winding coil.

Inductance of the windings for detecting the short circuits between individual turns of a winding coil.

Inductance of the windings with respect to different positions of rotor for detecting blow holes or cracks in the rotorbars.

All these defects can be checked with in a few minutes without dismounting the equipment (after switching off the power supply)

Motor Tester SMT-20 comes with a carry case, test leads and 6 Nos. 1.5 V Cells, Battery Eliminator is an optional accessory.

TECHNICAL DATA

Display

3 1/2 digit, 1/2" ht, LC Display

Insulation Test

500 & 1000 V DC, 0 -100 - 2000 M Ω (Auto Ranging), +/- (2% + 1d), 0.1/1 M Ω resolution.

Resistance Test : +/- 2% of FSR

a) Absolute Value :	Range	Resolution
	0 - 200 m Ω	0.10 m Ω
	0 - 2 Ω	0.001 Ω
	0 - 20 Ω	0.01 Ω
	0 - 200 Ω	0.10 Ω

b) % Reading : In 11 ranges

(100% at 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100 and 200ohms)

Inductance Test : +/- 3% of FSR

a) Absolute Value :	Range	Resolution
	0 - 2 mH	0.001 mH
	0 - 20 mH	0.01 mH
	0 - 200 mH	0.1 mH
	0 - 2000 mH	1 mH

b) % Reading: in 11 ranges

(100% at 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000mH)

Operating Temperature	:	0-50 °C
Size	:	235x130x80
Weight	:	750 gms
Power	:	6 Nos. AA size, 1.5 V cells (or) 9V, 400-mA Battery Eliminator

MACHINE MONITORS

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