

# ITMR : SERIES Data Sheet

## High-Voltage Multi Range Insulation Tester



### Data Sheet

High-Voltage Multi Range Insulation Tester

### Application

ITMR series is a low voltage multi range portable Insulation Tester which offers the measurement of insulation in transformers, motors, generators, or domestic appliances.

### PRODUCT FEATURE

- Rugged design to withstand industrial environment
- Metal body with collapsible Steel handle
- In-built hand-driven brush less AC generator and static rectifies to supply Stabilized DC voltage
- Guard terminal to eliminate surface leakage current
- Cross coil movement, sintered anti-friction bearings and delrin-moulded gears ensures trouble free operation
- 66mm logarithmic scale confirms to IS 2992-1987



## Specifications

TEST STANDARD	IS 2992-1987
ACCURACY	+/-5% IN THE FIRST EFFECTIVE RANGE +/- 10 % IN THE SECOND EFFECTIVE RANGE
TERMINAL VOLTAGE SETTING AT RATED RESISTANCE	WITHIN +/- 10% OF RATED VOLTAGE
VOLTAGE STABILITY AT RATED RESISTANCE SPEED 160 TO 240 R.P.M.	-2% to +4% OF TERMINAL VOLTAGE
RIPPLE COTENT AT 160 R.P.M.	< 10 % OF THE RATED $V_{pp}$
HIGH VOLTAGE FLASH TEST	WITHSTAND 2 KV AC (rms) BETWEEN THE ELECTRICAL CIRCUIT & THE HANDLE FOR 1 MIN
INSULATION RESISTANCE	> 50M $\Omega$ AT 500V BETWEEN ELECTRICAL CIRCUIT AND THE CONTAINING CASE
DIMENSIONS	178x122x126mm (approx)
WEIGHT	2KGs (approx)
STANDARD ACCESSORIES	1. A PAIR OF TESTING LEADS 1 METER LENGTH 2. INSTRUCTION BOOKLET 3. TEST CERTIFICATE
OPTIONAL ACCESSORIES	1. REXIN CARRYING CASE WITH STRAP 2. A SET OF 3 METERS LONG TEST LEADS

## Ordering Information

Model No.	Range	Ordering Code
ITMR-1-5110	0-100 M $\Omega$ (Voltage - 500V) 1-1000M $\Omega$ (Voltage - 500V)	IT85-0311000000000
ITMR-1-10220	0-200 M $\Omega$ (Voltage - 1000V) 2-2000M $\Omega$ (Voltage - 1000V)	IT85-0411000000000
ITMR-2-51102	0-1000 M $\Omega$ (Voltage - 500V) 0-200 M $\Omega$ (Voltage - 100V)	IT85-0511000000000
ITMR-2-101202	0-2000 M $\Omega$ (Voltage - 1000V) 0-200 M $\Omega$ (Voltage - 100V)	IT85-0611000000000
ITMR-2-1052010	0-2000 M $\Omega$ (Voltage - 1000V) 0 1000 M $\Omega$ (Voltage 500V)	IT85-0711000000000
ITMR-3	0-2000 M $\Omega$ (Voltage - 1000V) 0-1000 M $\Omega$ (Voltage - 500V) 0-500 M $\Omega$ (Voltage - 250V) Continuity 0-20k $\Omega$ & Discharge	IT85-0811000000000
ITMR-4	0-200 M $\Omega$ (Voltage - 1000V) 0-100 M $\Omega$ (Voltage - 500V) 0-50 M $\Omega$ (Voltage - 250V) 0-20 M $\Omega$ (Voltage - 100V) Continuity 0-500 $\Omega$	IT85-0911000000000