

ITMR : SERIES Data Sheet

Low-Voltage Multi Range Insulation Tester



Data Sheet

Low-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
- Polycarbonate body with collapsible 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 CONTENT 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 Ω AT 500V BETWEEN ELECTRICAL CIRCUIT AND THE CONTAINING CASE |
| DIMENSIONS | 180x130x123mm(approx) |
| WEIGHT | 2KGs(approx) |
| STANDARD ACCESSORIES | 1. 3 NOS 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 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| ITMRP-1-122 | 0-20 M Ω (Voltage - 100V) 0.2-200 M Ω (Voltage - 100V) | IT85-1211000000P00 |
| ITMRP-1-255 | 0-50 M Ω (Voltage - 250V) 0.5-500 M Ω (Voltage - 250V) | IT85-1311000000P00 |
| ITMRP-1-5110 | 0-100 M Ω (Voltage - 500V) 0-1000 M Ω (Voltage - 500V) | IT85-1411000000P00 |
| ITMRP-1-10220 | 0-200 M Ω (Voltage - 1000V) 0-2000 M Ω (Voltage - 1000V) | IT85-1511000000P00 |
| ITMRP-2-51102 | 0-1000 M Ω (Voltage - 500V) 0-200 M Ω (Voltage - 100V) | IT85-1611000000P00 |
| ITMRP-2-101202 | 0-2000 M Ω (Voltage - 1000V) 0-200 M Ω (Voltage - 100V) | IT85-1711000000P00 |
| ITMRP-2-1052010 | 0-2000 M Ω (Voltage - 1000V) 0-1000 M Ω (Voltage - 500V) | IT85-1011000000P00 |
| ITMRP-3 | 0-2000 M Ω (Voltage - 1000V) Continuity 0-20k Ω & Discharge 0-1000 M Ω (Voltage - 500V) Continuity 0-20k Ω & Discharge 0-500 M Ω (Voltage - 250V) Continuity 0-20k Ω & Discharge | IT85-1811000000P00 |
| ITMRP-4 | 0-200 M Ω (Voltage - 1000V) Continuity 0-500 Ω 0-100 M Ω (Voltage - 500V) Continuity 0-500 Ω 0-50 M Ω (Voltage - 250V) Continuity 0-500 Ω 0-20 M Ω (Voltage - 100V) Continuity 0-500 Ω | IT85-1111000000P00 |

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