

Data Sheet

Low-Voltage
Insulation Tester

Application

ITI series is a low voltage insulation tester which is best suited for

- Measurement of the insulation resistance on electrical equipment and system under test upto 1000V
- For testing motors, transformers, generators, switch gears
- For testing house hold appliances
- Measurement of insulation of cables for on-site maintenance and service departments.

PRODUCT FEATURE

- Rugged design to withstand industrial environment
- Metal body with collapsible Steel handle
- In-built hand-driven brushless AC generator and static rectifier 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
- Optional : Voltage measurement up to 500VAC/DC



Specifications

TEST STANDARD	IS 2992-1987
ACCURACY	+/-5% IN THE FIRST EFFECTIVE RANGE +/- 10 % IN THE SECOND EFFECTIVE RANGE AS PER CLAUSE 9.1 OF IS 2992-1987
TERMINAL VOLTAGE SETTING AT RATED RESISTANCE	+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 Ω 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
	Insulation Resistance	Test Voltage	
ITI 102	0-20M Ω	100V	IT83-0111000000000
ITI 105	0-50M Ω	100V	IT83-0211000000000
ITI 1010	0-100M Ω	100V	IT83-1711000000000
ITI 252	0-20M Ω	250V	IT83-0311000000000
ITI 255	0-50M Ω	250V	IT83-0411000000000
ITI 5010	0-100M Ω	500V	IT83-0511000000000
ITI 5020	0-200M Ω	500V	IT83-0611000000000
ITI 5050	0-500M Ω	500V	IT83-0711000000000
ITI 50100	0-1000M Ω	500V	IT83-0811000000000
ITI 50200	0-2000M Ω	500V	IT83-0911000000000
ITI 10010	0-100M Ω	1000V	IT83-1011000000000
ITI 10020	0-200M Ω	1000V	IT83-1111000000000
ITI 10050	0-500M Ω	1000V	IT83-1211000000000
ITI 100100	0-1000M Ω	1000V	IT83-1311000000000
ITI 100200	0-2000M Ω	1000V	IT83-1411000000000
ITI-V-5010	0-100M Ω	500V	IT83-1511000000000
ITI-V-10020	0-200M Ω	500V	IT83-1611000000000

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