

# ITI : SERIES Data Sheet

## Low-Voltage Insulation Tester



### 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
- Polycarbonate body with collapsible 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 $\Omega$ 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
	Insulation Resistance	Test Voltage	
ITIP-102	0-20 M $\Omega$	100V	IT83-2711000000P00
ITIP-105	0-50 M $\Omega$	100V	IT83-2811000000P00
ITIP-252	0-20 M $\Omega$	250V	IT83-3111000000P00
ITIP-255	0-50 M $\Omega$	250V	IT83-3211000000P00
ITIP-5010	0-100 M $\Omega$	500V	IT83-2011000000P00
ITIP-5020	0-200 M $\Omega$	500V	IT83-2211000000P00
ITIP-5050	0-500 M $\Omega$	500V	IT83-2311000000P00
ITIP-50100	0-1000 M $\Omega$	500V	IT83-2411000000P00
ITIP-50200	0-2000 M $\Omega$	500V	IT83-2511000000P00
ITIP-10010	0-100 M $\Omega$	1000V	IT83-3311000000P00
ITIP-10020	0-200 M $\Omega$	1000V	IT83-2111000000P00
ITIP-10050	0-500 M $\Omega$	1000V	IT83-2611000000P00
ITIP-100100	0-1000 M $\Omega$	1000V	IT83-2911000000P00
ITIP-100200	0-2000 M $\Omega$	1000V	IT83-3010000000P00
ITIP-V-5010	0-100 M $\Omega$	500V	IT83-3411000000P00
ITIP-V-10020	0-200 M $\Omega$	500V	IT83-3511000000P00