

ITHV : SERIES Data Sheet

High-Voltage Insulation Tester



Data Sheet

High-Voltage
Insulation Tester

Application

ITHV series is a high voltage portable Insulation Tester used to measure the insulation for cables, motors, electrical components, wiring and other devices capable of carrying the rated voltage.

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
- Option 1 : Single Voltage, single IR measurement range
- Option 2 : Dual Voltage, dual IR measurement range



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	+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	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	
ITHVP-2525	0-2500 M Ω	2500V	IT84-3611000000P00
ITHVP-2550	0-5000 M Ω	2500V	IT84-2011000000P00
ITHVP-25100	0-10000 M Ω	2500V	IT84-2111000000P00
ITHVP-25200	0-20000 M Ω	2500V	IT84-3511000000P00
ITHVP-25500	0-50000 M Ω	2500V	IT84-2311000000P00
ITHVP-5050	0-5000 M Ω	5000V	IT84-2611000000P00
ITHVP-50100	0-10000 M Ω	5000V	IT84-2211000000P00
ITHVP-50200	0-20000 M Ω	5000V	IT84-2511000000P00
ITHVP-50500	0-50000 M Ω	5000V	IT84-2711000000P00
ITHVP-501000	0-100000 M Ω	5000V	IT84-2411000000P00

Ranges available on request :

- Dual Voltage Dual IR range

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