

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
- 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
- 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 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	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	
ITHV2525	0-2500M Ω	2500V	IT84-0111000000000
ITHV2550	0-5000M Ω	2500V	IT84-0211000000000
ITHV25100	0-10000M Ω	2500V	IT84-0311000000000
ITHV25200	0-20000M Ω	2500V	IT84-0411000000000
ITHV 5050	0-5000M Ω	5000V	IT84-0511000000000
ITHV 50100	0-10000M Ω	5000V	IT84-0611000000000
ITHV 50200	0-20000M Ω	5000V	IT84-0711000000000
ITHV 50500	0-50000M Ω	5000V	IT84-0811000000000
ITHV 501000	0-100000M Ω	5000V	IT84-0911000000000
ITHV25500	0-50000M Ω	2500V	IT84-1011000000000
ITHV2520	0-2000M Ω	2500V	IT84-1511000000000

Ranges available on request :

- Single Voltage dual IR range
- Dual Voltage Dual IR range

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