



## ABS BODY

Nippen Insulation Testers are used for direct reading of insulation resistance of electrical rotating machine, power distribution lines, communication cables, insulators, controls and switching equipment etc.

Its is a robust instrument incorporating a built-in hand driven generator and a solid-state circuit for stabilized DC output.

This instrument is housed in Robust injection moulded ABS case for shock resistance

## ABS BODY

### Product Feature

- Housed in new compact, robust ABS material case with improved aesthetics and rigidity
- Rated Voltages: 100V, 500V, 1000V
- Insulation Resistance : 20MOhms, 100MOhms, 200MOhms respectively
- 60mm logarithmic scale.
- Self powered (hand crank generator) instrument - so no battery required.
- Easy to rotate generator with self lubricating moulded gears and oil impregnated bushes to eliminate mechanical maintenance.
- Product design and performance in compliance to IS:2992

### Specifications

Accuracy	± 5% of Full Scale
Terminal Voltage Setting at rated resistance	± 10% of Rated Voltage
Dielectric Test	Withstand 2KV AC (RMS)
Insulation Resistance	> 50MOhms at 500VDC
Dimensions	130x110x65mm (approx),
Weight	1.0 kg ABS Body (NITA),
Standard Accessories	1. A pair of testing Leads 2. Instruction booklet cum test report 3. Carrying case

### Ordering Information

Model No.	Range	
	Insulation Resistance	Test Voltage
NITA 102	100-20MOhms	100V
NITA 5010	500-100MOhms	500V
NITA 10020	1000-200MOhms	1000V



## METAL BODY

**Nippen Insulation Testers are used for direct reading of insulation resistance of electrical rotating machine, power distribution lines, communication cables, insulators, controls and switching equipment etc.**

**Its is a robust instrument incorporating a built-in hand driven generator and a solid-state circuit for stabilized D.C output.**

**A sturdy and elegant Alluminium cast case with carrying handle which makes the instrument portable.**

**METAL BODY**

**Features**

- Rugged design to withstand industrial environment
- Metal body with collapsible Steel handle
- In-built hand-driven brush less AC generator and static rectifies to supply Stabilized DC voltage
- Guard terminal to eliminate surface leakage current
- Moving coil movement, sintered anti-friction bearings and delrin-moulded gears ensures trouble free operation
- 70mm logarithmic scale confirming to IS 2992-1987
- Models in 500V or 1000V or 2500V or 5000V DC output available

**Specifications**

Test standard	Is 2992-1987
Accuracy	+/-5% of Full Scale
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
High Voltage flash test	Withstand 2 KV AC(RMS) between the Electrical circuit & the handle for 1 min
Insulation Resistance	>50MOhms at 500v between electrical Circuit and the containing case
Dimensions	168x109x103mm (approx)
Weight	2.3kg metal body (NITM)
Standard Accessories	1. A pair of testing leads 2. Instruction booklet 3. Test Certificate 4. Carrying case

**Ordering Information**

Model No.	Range	
	Insulation Resistance	Test Voltage
NITM-102	100-20MOhms	100V
NITM-10100	100-100MOhms	100V
NITM-5010	500-100MOhms	500V
NITM-10020	1000-200MOhms	1000V
NITM-100100	1000-1000MOhms	1000V
NITM 100200	1000-2000MOhms	1000V
ITHV-2550	2500-5000MOhms	2500V
ITHV-50100	5000-10000MOhms	5000V
ITHV-50200	5000-20000MOhms	5000V