

Motorised Insulation Tester

APPLICATION

Yokins Motorised Insulation Tester is a universal, Multi-purpose instrument for checking insulation and conductance during simulated operating conditions in high tension electrical and electronic fields. It is ideally useful for the electrical maintenance of Rotating plant machinery, Distribution networks, Communication cables, Insulators and servicing of Control and switching equipments, transformers and industrial installations. Di-electric Absorption test requires the voltage to be applied for several minutes. Operating an instrument under motor power allows this to be done easily. The high sensitivity of the instrument enables sensible reading to be obtained from such polarisation index tests. (Polarisation Index = Resistance after 10 min./Resistance after 1 min.) Better results are obtained by using longer time periods. It is a versatile mains operated insulation tester which is recommended for every electrical engineer.

It can save several hours in locating intermittent shorts, defective electrical connections, insulation and conductor failure and in preventing costly repairs & break-down insulation value.

SALIENT FEATURES

- Accurate, Quick response and Graceful Appearance
- Operated by 230volts, 50Hz AC mains
- Can also be operated by Hand
- Collapsible Generator Hand
- Seasoned wooden cabinet with sunmica finish complete with detachable lid, carrying handle & lock
- Anti-parallax mirror scale with knife edge pointer
- Centrifugal Clutch (Governor) For Constant Output Voltage
- Highly Sensitive cross-coil indicator provided with guard terminal and external accessible infinity adjuster

TECHNICAL DETAILS

- Scale Length – 100mm (approx.)
- Mains Supply – 230V, 50Hz
- Accuracy – As per IS: 2992-1987
- Dimensions (in inch) – 14 x 10 x 10 (approx.) (Incl. Top Cover)
- Weight (Incl. Top Cover) – 9 kg. & 12 kg. (approx.)

RANGES

Generally available from 100V to 5000V DC o/p voltage (single or multiple output range at options) with respectively suitable insulation range from 10 mega ohm to 1,00,000 mega ohm depending upon the o/p voltage range chosen. Multi range

instrument are provided with range selector switch. Special (higher) resistance range can also be manufactured against specific requirement.

Insulation Tester with 10000 v DC output is available in single range.

ELECTRICAL SPECIFICATIONS

- **Response Time** : 3 seconds
- **High Voltage Test** : Withstands minimum 2 KV or (rated voltage + 1) KV A.C. (rms) for 1 min. between the electrical circuit & containing case
- **Insulation Resistance Test** : Better than 50 Megohms at 500 V D.C. between the electrical circuit & the containing case

ACCESSORIES

- **Standard** : Mains cord (2mtrs length) - 1 No
- **Optional** (*At extra cost*) : H. V. Testing leads - 1 pair (2mtrs length), Rexine carrying case
- **Optional Extra Facility** (*at extra cost*) : 15 minutes Timer Facility