

Automatic High Voltage Breakdown Tester

Model : QHBT-SERIES

Application:

- Insulation, Cables, Transformers Industries
- Electricity Distribution substations
- Component Manufacturers
- Panel Manufacturers
- Electrical test / Calibration Labs



BRIEF SPECIFICATIONS

- Oil/Air Cooled AC High Voltage Transformer of 415 V, 2ph.(of 3 ph.) OR 230V single phase Input & upto 100 KV AC/DC, 100 mAmp Output.
- Digital Panel meter to show all 2 Parameters I) kilo Volt meter II) leakage current (mA) meter along with Selector switch to select Leakage current max up to 25,50,100 mAmp.
- Test ON Indication, Over current relay with CT & other required Contactors & accessories provided in Panel.
- Zero Start Facility
- Both KV Meter & mA Meters Analog/Digital

“QUADRANT” make ‘Automatic AC/DC HIGH VOLTAGE TEST SET’ are ideal to test dielectric strength of different insulating materials , motor winding transformers, Ceramic HV insulators, cables and different electrical components. It is useful in transformer manufacturing industries, HV motor manufacturing units, cables and insulator industries etc.

TECHNICAL SPECIFICATIONS

INPUT : 415 V, 2ph.(of 3 ph.),50 Hz A.C.OR 230V Single Phase

OUTPUT : upto 0 – 100 KV AC/DC Variable

LEAKAGE CURRENT : upto 100 mAmp (settable) by rotary switch in steps of 25-50-100 mA

DUTY : Intermittent (I.e; 1 Minute Withstand Test)

COOLING : Oil /Air Cooled

ACCESSORIES

1. 5 Meter Iput Mains Power Cord
2. 5 Meter Interconnecting cable for Testing Panel & High Voltage Transformer
3. Rectifier unit for DC output
4. 5 Meter Interconnecting cable for Testing Panel & Variable Auto Transformer
5. Operating Manual
6. Works Test Report
7. Warranty Certificate

To keep pace with the latest technology Quadrant Measurements Pvt. Ltd. reserves the right to update it's system. Hence, information in the brochure is likely to change without notice.



QUADRANT MEASUREMENTS Pvt. Ltd. Simplified Measurements Solutions

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Simplified Measurements Solutions

High Voltage Breakdown Tester

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PROTECTION

(If use is provided in incoming side.

(ii) Automatic Tripping Mechanism for protecting

the H.V. transformer against overloads as well as short circuits. This tripping device senses the leakage current to be higher than the set value and trips the H.V. circuit.

(iii) One Zero-Start Interlock is also provided to

ensure that the H.V. circuit cannot be energized unless the motorized variable auto-transformer is at zero position or brought back to zero position.

(iv) One Trip Current adjustment switch (in steps)

is also provided to adjust the tripping current.

SETUP CONFIGURATION

It generally consists of two units namely

(i) Control Unit

(ii) HV Unit

The powder coated sturdy steel

cabinet of the ' Control Unit' houses meters, switches, indicating lamps, push buttons, fuses etc. which are fitted on the top panel of the cabinet. Along with these, Contactor, protection CT, wirings , one continuously variable auto transformer to vary the output voltage of suitable capacity are also mounted inside the cabinet.

One single/two phase (w.r.t. L.T.) copper double wound H.V. step-up transformer comprises of the H.V. unit.

The transformer will be oil natural cooled and housed in an insulated cylindrical jacket which is placed on M.S. Trolley. A metallic sheet is placed on the top of the insulated cylindrical jacket through which an H.V.

terminal is brought out. L.T terminals and starting end of H.V. coil is brought out at the bottom side of the

M.S. Trolley marked as " L1, L2 & V "respectively just below the insulated cylindrical jacket. The control

unit is separately housed in M.S. cabinet. All nomenclatures are engraved in anodized Aluminum plates

which are placed on the cabinet. 4 nos. casting wheels are provided at the bottom of the cabinet for easy mobility.



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