

High Voltage Breakdown Tester

Model : QHBT-1

Application:

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



BRIEF SPECIFICATIONS

- Oil Cooled AC High Voltage Transformer of 230 V, 1ph. Input & 70 KV, 40 mAmp Output. Digital / Analog Panel meter to show all 2 Parameters
- I) kilo Volt meter II) leakage current (mA) meter along with Selector switch to select Leakage current : 40mAmp.
- Test ON Indication, Over current relay with CT & other required Contactors & accessories provided in Panel.
- Zero Start Facility
- Both KV Meter & mA Meters

Equipment is showing current at which the tripping occurred until reset by operator and the same can be stored

“QUADRANT” make ‘AC 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 : 230 V, 1ph.,50 Hz A.C.

OUTPUT : 0 – 70 KV AC Variable

LEAKAGE CURRENT : 40 mAmp (settable) by rotary switch

DUTY : Intermittent (I.e; 15 Minute Withstand Test)

COOLING : Oil Cooled

Accessories

1. 3 Meter Input Mains Power Cord
2. 3 Meter Interconnecting cable for Testing Panel & High Voltage Transformer
3. 3 Meter Interconnecting cable for Testing Panel & Variable Auto Transformer
4. Operating Manual
5. Works Test Report
6. 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

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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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