

Features

- Continuously variable motorized/manual output from zero to full voltage
- Panel mounted controls and LED indicators.
- Analog/Digital voltmeter & Ammeter-for easy to read voltage and current
- Output voltmeter with memory effect –easy to read the voltage after trip
- Selectable trip current
- Inbuilt Timer of 1-3-4-5 minutes



MOTHVT

HV Test Sets

The Motwane presents a series of HV Test Set (MOTHVT) of different ratings. The Air/Oil cooled, MOTHVT are having a wide range of Test Voltages from 5KV to 80KV DC & 5KV to 100KV AC, with leakage current detections from 10mA to 100 mA. The unit is constructed in powder coated steel cabinet in single unit /two units . The manual / motorized controlled HV Test Sets are provided with selectable Timer with selectable tripping current. The customized HV Test Sets are also made available as per specific requirements. MOTHVT are used to verify the quality of insulation between any electrical equipment's current-carrying components and its insulation or enclosure. The high voltage is applied to the insulation of the equipment under test, as defined as per the voltage rating of the equipment. The resulting leakage current flowing through its insulation is measured. The set will give trip command if exceeded than its predefined value.

Applications

- Power utilities substations
- Transformers, Generators, Switch Gear testing.
- Bus.bar and Cable testing
- Domestic appliance testing

MOTHVT

Physical Specification

- LED Indicators : Mains, HT OFF, HT ON, READY, Breakdown
- Control Unit : switches, MCB, Indicators, Variac etc in a sheet metal case with castors wheels.
- H.T. Unit : Sheet steel tank with castors wheels and lifting lugs
- Termination : H.T. End insulated and other end at earth potential

Technical Specification

- Input voltage : 230V ± 10 % 50 Hz
- Output Voltage : As per Table below
- Accuracy : ±2% of Output voltage
- Control : Motorized/Manual
- Duty Cycle : 10 minutes ON 15 minutes OFF
- Interlocking : Zero-start interlocking for H.V. output

Safety Specification:

- Zero start interlock
- Audio & Visual alarms
- Fast acting over load circuit breaker.
- MCB-magnetic overload protection.
- Fast acting D.C. relay isolates the H.T. at trip level.

Accessories

Standard Accessories

- Mains wires 3 cores, 4 meter long.
- Inter connecting cable 5 meter long.
- Discharge rod for DC range.
- Instruction manual.

Model	Output voltage HV	Leakage/Tripping Current mA	AC/DC	Tripping Current Selection Steps	Cooling provided
MOTHVT – 5/100AC	5 KV	100mA	AC	25 – 50 – 100mA	air
MOTHVT – 5/100DC	5 KV	50mA	DC	50 – 100mA	air
MOTHVT – 10/100AC	10 KV	100mA	AC	25 – 50 – 100mA	air
MOTHVT – 20/100AC	20 KV	100mA	AC	25 – 50 – 100mA	air
MOTHVT – 25/100DC	25 KV	20mA	DC	25 – 50 – 100mA	air
MOTHVT – 40/100AC	40 KV	100mA	AC	25 – 50 – 100mA	air
MOTHVT – 50/100AC	50 KV	100mA	AC	25 – 50 – 100mA	air
MOTHVT – 50/100Dual	50 KV	100mA	AC/DC	25 – 50 – 100mA	oil
MOTHVT – 60/50AC	60 KV	50mA	AC	25 – 50 – 100mA	oil
MOTHVT – 75/100AC	75 KV	100mA	AC	25 – 50 – 100mA	oil
MOTHVT – 80/20DC	80 KV	20mA	DC	10 – 20mA	oil
MOTHVT – 100/100AC	100 KV	100mA	AC	25 – 50 – 100mA	oil

Notes

1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 1/10th of range to FS. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.

Designed and Manufactured by:

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