

CGPT-HIPOT

High Potential Test Kit

CGPT

Introduction:

The Hi-Pot Test Kit is used to verify the quality of insulation between any electrical equipment's current-carrying components and its insulation or enclosure. This is done by applying a high voltage (much higher than the normal working voltage of the equipment) to the insulation of the equipment and measuring the resulting leakage current flowing through its insulation.



Application

Hi Potential test kit is used to test the following electrical equipments which normally carry the high voltage of various application :

- Motors
- Transformers
- Generators
- Switch Gear testing
- Cable testing

Specifications

Panel mounted controls and indicators with easy to read voltage and current

- Continuously variable motorized/manual output control
- Selectable trip current
- Timer of 1-3-4-5 minutes
- Zero start interlock (User must always raise voltage from minimum. HV is switched on only when voltage control is brought to zero)
- Audio & Visual alarms
- Fast acting over load circuit breaker. MCB-magnetic overload protection.

Technical Specification

- Input Voltage : 230 Volts AC/415 Volts AC
 Voltage source : H.T. Transformer.
 Output control : Motorized/Manual
 Duty Cycle : 10 minutes ON 15 minutes OFF
 (as user define)
 Protection : MCB, a fast acting D.C. relay isolates the H.T. at trip level.
 Interlocking : Zero-start interlocking for H.V. output.
 Indicators : Mains, HT OFF, HT ON, READY, Breakdown
 Termination : H.T. End insulated and other end at earth potential.
 Enclosures : The unit will be in two parts as per voltage level
 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.
 kV meter to measure output voltage. mA meter with Digital / Analog Display to measure Leakage current.

Accessories

1. Mains wires 3 cores, 4 meter long.
- Inter connecting cable 5 meter long. (for two units system)
- Discharge rod for DC High Voltage.
- Instruction manual

MODEL	OUTPUT	CURRENT	AC/DC	TRIPPING STEPS	COOLING
HIPOT – 5X100AC	5 KV	100mA	AC	25 – 50 – 100mA	AIR
HIPOT – 5X50DC	5 KV	50mA	DC	50 – 100mA	AIR
HIPOT – 10X100AC	10 KV	100mA	AC	25 – 50 – 100mA	AIR
HIPOT – 25X100DC	25 KV	20mA	DC	25 – 50 – 100mA	AIR
HIPOT – 50X100AC	50 KV	100mA	AC	25 – 50 – 100mA	AIR
HIPOT – 50X100ACDC	50 KV	100mA	AC/DC	25 – 50 – 100mA	OIL
HIPOT – 100X100AC	100KV	100mA	AC	25 – 50 – 10mA	OIL
HIPOT – 75X100AC	75 KV	100mA	AC	25 – 50 – 100mA	OIL
HIPOT – 90X20DC	90 KV	20mA	DC	10 – 20mA	OIL
HIPOT – 150X150AC	150 KV	150mA	AC	25 – 50 – 150mA	OIL



We carry out customization as per requirement

Note

The instrument is accompanied with Test & calibration sheet. 2. Test facility can be provided at the factory with available test setup. 3. To keep pace with the latest technology CG Power Technology reserves the right to update its system. Hence, information in the catalogue is likely to change without notice. 4. Accuracy specified for temperature range of 28°C ± 3°C & 55% RH ± 10%

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