

DC High Voltage Testers (HIPOTS)-Series GEZ

Sheet No: 0268-06



Introduction

These portable testers have been designed to be used in testing high voltage equipment in power engineering. Routine testing of the insulation and leakage is a necessary requirement for surge arresters, cable breakdown testing, capacitor charging and other laboratory use.

Main Features

- Switched-mode technology utilizing pulse width modulation to control the output voltage accurately.
- Voltage divider is an integral part of the tester with a surge limiting resistor.
- Tester delivered in two sections: Control and HV unit. Each packed in a flight case for easy transportation.
- Testers of over 200kV voltage, HV unit has adjustable legs to increase the equipment's stability.
- Digital kilo voltmeter and $\mu\text{A}/\text{mA}$ meters display the test voltage and leakage current.
- Zero start up. Audible alarm and LEDs for breakdown and over voltage occurrences.
- Small dimension. Low weight. Carried conveniently.
- Discharge pole with limiting current impedance.

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Technical Data

- Supply power: 230V AC \pm 10%, 50 Hz.
- Output voltage: As per model.
- Output current: As per model.
- Ripple factor: < 0.35%.
- Trip mA: 1.5 times rated current.
- Rating: Intermittent.(Max.30 minutes at full load).
- Accuracy and stability of HV adjustment: <0.5%.
- Meters: LED digital readouts for
 - kV: Double range.
 - mA: Double range in μ A / mA
- Measurement accuracy of voltage and current: \pm 1.5% \pm 2 digit.
- Environment temperature: -15°C~45°C.
- Relative humidity: 90%.
- Relative altitude: 2000m.

Model	Output	Control Unit		HV Unit	
		Dimension (cm)	Weight (kg)	Height (mm)	Weight (kg)
GEZ-80-2	80kV/2mA	22×34×30	7	700	15
GEZ-80-5	80Kv/5mA	22×34×30	7	800	17
GEZ-100-2	100kV/2mA	22×34×30	7	820	18
GEZ-100-5	100kV/5mA	22×34×30	7	880	20
GEZ-120-2	120kV/2mA	22×34×30	7	820	18
GEZ-120-5	120kV/5mA	22×34×30	7	880	20
GEZ-160-2	160kV/2mA	22×34×30	7	905	19
GEZ-200-2	200kV/2mA	22×34×30	7	1105	22
GEZ-200-5	200kV/5mA	40×50×27	16	1200	23
GEZ-250-5	250kV/5mA	40×50×27	16	1205	25
GEZ-300-5	300kV/5mA	40×50×27	16	1208	25

MODELS BEYOND 300 kV AGAINST SPECIFIC INQUIRY