

HVTS-50/70

Digital High-Voltage Test Systems



- » Test voltage up to 50 kV_{rms} AC or 70 kV DC
- » Output current 45 mA (AC), 15 mA (DC)
- » High-contrast graphic display
- » Time limitation by a timer from 1 to 30 minutes
- » Oil-insulated maintenance-free HV transformer
- » Overcurrent protection
- » Durable two-block design
- » High resistance to external environmental factors
- » High measurement accuracy
- » Zero start/reset
- » Mobile application for measurement logging and report creation

DESCRIPTION

HVTS-50/70 complete test system in a mobile package, simple to set-up and operate, lightweight and ruggedly constructed. System consists of a combination control and regulator enclosure and separate high voltage section. Test voltage is continuously adjustable from zero to full output, with a zero-start interlock. All high-voltage connections are recessed to prevent accidental contact with high voltage. During testing, high voltage will automatically shut down within 50 ms of arcing or exceeding the preset trip level. Visual alarm alert the operator upon failure. The AC/DC High-Pot Tester provides a switch to select either ac or dc test voltage. HVTS-50/70 line is equipped with digital metering and easy to use controls.

KiloVolt represents a complete line of the most advanced AC/DC High-Voltage Test Systems with voltage and power ratings to meet your testing requirements. Our systems function in compliance with recognized national and international industry testing standards. AC/DC High-Voltage Test Systems available from KiloVolt are designed for safety and ease of operation, and readily adapt to development, maintenance or production testing.

PRODUCTS REQUIRING DIELECTRIC TESTING INCLUDE

- Rotating Machines
 - Power Cables
 - Bushings
 - Instrument Transformers
 - Lightning Arrestors
 - Connectors
 - HV Components
 - Insulators
 - Transmission Line Hardware
 - Personal Protective Equipment for Live Work
 - Cable Joints/Splices
 - Switchgear (Air, Gas, Oil)
 - Transformers, Shunt Reactors
 - Fuses
 - Insulation Materials (Oil, Paper)
 - Power Capacitors
 - Coils
 - Circuit Breakers
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TYPICAL TESTING APPLICATIONS

- Type testing
 - Acceptance testing
 - Routine testing
 - Preventative maintenance
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TECHNICAL SPECIFICATIONS

Output voltage	50 kV (AC) / 70 kV (DC)
Output current	45 mA (AC) / 15 mA (DC)
Voltage measuring resolution	0.01 kV
Current measuring resolution	0.1 mA
Voltage and current accuracy	± 3 %
Continuous operating mode	30 min
Test timer range	30 min

General

Power supply	230 V ± 10 %
Power frequency	50 (60) Hz
Maximum power consumption	2.5 kVA
Dimensions (H×W×D)	315×366×220 mm (CU), 670×360×300 mm (HVU)
Weight	15 kg (CU), 42.5 kg (HVU)

Operational environment

Operational temperature	-10 to +40 °C
Storage temperature	-10 to +45 °C
Relative humidity	85 % (non-condensing)