



HIPOT TESTERS / specialty testers

HT-25kVdc

↘ FAST ↘ SAFE ↘ RELIABLE



↘ DIELECTRIC WITH STAND [HIPOT] 25000 VDC

↘ FEATURES

- ▶ DC Output to 25000 volts.
- ▶ Logic controlled, one button test. LED meters indicate actual voltage and current. Upon failure, buzzer sounds and testing is terminated.
- ▶ Output voltage, leakage current limit, and test duration are controlled from the front panel.
- ▶ Separate arc detection circuitry.
- ▶ Cables, manual and Cal Cert included.
- ▶ Automatic voltage rampdown circuit eliminates residual voltage.
- ▶ Leakage current cutoff can be set from .5 mA to 5 mA.
- ▶ Ergonomically designed for safety, speed and efficiency.
- ▶ Mains shutdown switch on front panel for safety.
- ▶ One year calibration cycle.
- ▶ Economical, durable and compact.
- ▶ Attractive 3U enclosure.
- ▶ 1 year warranty.



The blue box that tests. And tests.

HT-25kVdc



*representative model shown in photos.



ELECTRICAL

Input Power Requirements:	120V, 50/60Hz, 3A or 220V, 50/60Hz, 2A or 240V, 50/60Hz, 2A.
Weight and Dimensions:	17 in. wide by 3U high by 17 in. deep; 32 lbs. net wt (approx)
Output:	0-20kVdc into High Voltage jack/receptacle with 4 foot lead and alligator clip.
Leakage Current:	.5-5mAdc from 0-18kVdc, derated linearly to 2mA at 25kVdc.
Pass/Fail Criteria:	
Leakage Current:	User adjustable by front panel knob 0.5-5 mA
Dielectric Breakdown:	Separate high frequency detection circuit for breakdown spike detection, defeatable.
Test Time:	User adjustable 1-60 sec. or defeat (desired voltage delivered while TEST button is pressed).
Voltage Ramp Time:	User adjustable 1-5 seconds, defeatable.
Pass/Fail Repeatability:	± 2%
Duty Cycle:	100%
Meter Accuracy:	±3% Full Scale
Discharge Time:	Factory set 8 sec max (open circuit).
Test Adjustments:	Voltage, leakage current trip, ramp time and test dwell level adjustments. Timer defeat ramp control defeat and arc detection defeat.



ENVIRONMENTAL

Operating Temperature::	0-50°C at 5-45%RH; 0-40°C at 5-75%RH; 0-50°C at 5-95%RH
Non-operating Temperature:	-40° - 71°C



OPTIONS

Option 220 / Option 240	220 or 240V mains voltage.
Option RI:	Isolated relay I/O for operation via your PLC. Custom per your requirements; contact factory for details.
Option VF:	Voltage hold on failure; voltage meter reads last count until RESET button is pressed.
Option XI:	External interlock; two position terminal block on rear panel must be shorted for high voltage operation.
Option SV:	Safe voltage relay output. Two position terminal block on rear panel; terminals are shorted when high voltage output is 50V or lower.



SAFETY

Transformer Output:	<500 VA
Visual Indication Of Voltage Output:	Provided by front panel meter, directly connected to high voltage output.
Failure Indication:	Audible, provided by internal buzzer Visual, provided by red LED's on front panel Test automatically terminated on failure.



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