



# 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.

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# 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. User adjustable 1-60 sec. or defeat (desired voltage delivered while TEST button is pressed).

Test Time:

User adjustable 1-5 seconds, defeatable.

Voltage Ramp Time:

± 2%

Pass/Fail Repeatability:

100%

Duty Cycle:

±3% Full Scale

Meter Accuracy:

Factory set 8 sec max (open circuit).

Discharge Time:

Voltage, leakage current trip, ramp time and test dwell level adjustments. Timer defeat ramp control defeat and arc detection defeat.

Test Adjustments:



## 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:

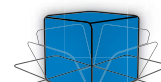
Provided by front panel meter, directly connected to high voltage output.

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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