



HIPOT TESTERS / research testers

HT-5000P

FAST SAFE RELIABLE



DIIELECTRIC WITHSTAND [HIPOT] 5000 Vac @ 10mA; 6000Vdc @ 5mA

FEATURES

The HT-5000P is a laboratory tester allowing precise adjustment of the test dwell time and leakage current trip level using the front panel meter.

Output is up to 5000Vac @ 10mA and up to 6000Vac @ 5mA. Current trip point, ramp time and test time are controlled by defeatable rear panel potentiometers.

The HT-5000P uses the separate high frequency transformer circuit to detect and report dielectric breakdowns, even low-level arcing events that do not conduct enough current to trip the leakage current circuit. This is of benefit to ensure that any problems with the insulation system are being found, even the small ones.

The tester is built in a rugged, good-looking benchtop enclosure. It is light and portable.

Upon a failure, a buzzer sounds and the high voltage output is terminated for safety. Red lights on the front panel indicate the failure mode.

A PLC control interface is optional.



The blue box that tests. And tests.

HT-5000P



ELECTRICAL ▾

Voltage Output:	0-5000 Volts AC or 6000 Volts DC into proprietary HV receptacle with supplied cable
Leakage Current:	AC: 0-10 mA continuous duty DC: 0-5 mA continuous duty
Pass/Fail Criteria:	
Leakage Current:	User adjustable 1-10 mA AC; 1-5 mA DC.
Dielectric Breakdown:	Separate high frequency detection circuit for breakdown spike detection
Test Time:	User adjustable 1-60 sec.
Voltage Ramp Time:	User adjustable by using rear panel ramt time knob
Duty Cycle:	100%
Meter Accuracy:	±2% 15°-40°C from 500 - 5000Vac; 500-6000Vdc
Discharge Time:	AC instantaneous; DC voltage dependent; discharge progress displayed on front panel meter.
Test Adjustments:	Test Time, Leakage Current Limit and Timer defeat controls on front panel. Voltage, Test, Reset and AC/DC Select controls on front panel. Note: When timer is defeated, unit will only operate when test button is pressed.



ENVIRONMENTAL ▾

Operating Temperature::	15-40°C
Relative Humidity Range:	0-90% non-condensing



GENERAL ▾

Input Power Requirements:	114-127 volts, 50/60 Hz
Weight:	18 lbs. approx.
Dimensions:	10" (W) x 5 (H) x 12" (L)



OPTIONS ▾

PLC Interface Relay Board:	Option 00-RI. Relays for interface to your PLC.
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