

Hipot Testers / research

HT-5000P V2



FAST



SAFE



RELIABLE



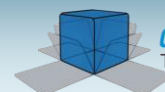
DIELECTRIC WITHSTAND [HIPOT]

Model HT-5000P V2 is a 5,000V AC @ 10mA; 6,000V DC @ 5mA Hipot Tester



Features

- AC output: up to 5,000 V.
- DC output: up to 6,000 V.
- Microcontroller Technology, one button test, easy to setup, LED's indicate test progress. Upon failure, buzzer sounds and testing is terminated.
- Leakage current limit, voltage ramp-up time and test duration are controlled from the rear panel.
- Voltage ramp, arc detection and test timer are defeatable.
Separate arc detection circuitry
- Ergonomically designed for safety, speed and efficiency.
- Designed for product development, production and laboratory use.
- Rugged construction that can withstand a 6" drop with no damage.
- Cables, manual and calibration certificate included.
- One year calibration cycle.
- One year warranty.





Specifications

Voltage Test Type:	AC & DC
Maximum Output Voltage:	0 - 5,000 VAC rms & 0 - 6,000VDC
Maximum Leakage Current:	10mA AC & 5mA DC
Input Voltage:	120 V *optional different line voltages available (100V, 110V, 220V, 230V, 240V)
Frequency:	50/60 Hz
Fuse:	120/230 VAC 2 A Slow Blow
Breakdown Detect:	Independent High Frequency Circuit
Transformer Power:	< 500 VAC
Leakage Current Detect:	Independent Low Frequency Circuit
Ramp Time Range:	1 - 5 Seconds
Test Time Range:	1 - 60 seconds
Displays:	4 Digits LED Display
Voltage Meter Accuracy:	± 2 %from 500 – 5000Vac; 500 – 6000Vdc
Discharge time:	Ac instantaneous; DC voltage dependent; discharge progress displayed on front panel meter.
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing



General

Dimensions:	10" Wide x 5" High x 12" Deep
Weight:	18 lbs
Product Package:	HT-5000P V2 HT-5000P V2 Product Manual 18 AWG Test Lead (Black) 18 AWG High Voltage Test Lead (Red) NIST Traceable Calibration Certificate to MIL-STD45662-A



Options

(XI) Safety Interlock:	Two position terminal block on rear panel must be shorted for high voltage operation.
(VF) Voltage on Failure:	If a failure stops the test, the front voltage display will hold the last voltage reading.
(AR) Auto Reset on Pass:	Resets the HT-5000P V2 after a few seconds only on passing test condition.
(RI) Relay Isolated Remote Interface:	It allows the interface with a PLC or other machine using relay closures. This option allows isolation between the PLC and the Hipot tester.



Safety

Visual Indicator of Voltage Output:	Provided by front panel meter, directly connected to high voltage output.
Failure Indicator:	Audible, provided by buzzer. Visual, Provided by red LED's. Test automatically terminated on failure.

