

Hipot testers

HT-5000P ac 200mA ↘ FAST ↘ SAFE ↘ RELIABLE



↘ DIELECTRIC WITHSTAND

Model HT-5000P ac 200mA is a 5,000V Hipot Tester

↘ FEATURES

AC output: up to 5,000 V

Leakage current up to 200mA.

Main shutdown switch on front panel for safety.

Microcontroller Technology, one button test, easy to setup, LED's indicate test progress. Upon failure, buzzer sounds and testing is terminated.

Output voltage, leakage current limit and test duration are controlled from the front panel.

Arc detection and test timer are defeatable.

Separate arc detection circuitry.

Ergonomically designed for safety, speed and efficiency.

Designed for product development and laboratory use.

Cables, manual and calibration certificate included.

One year calibration cycle.

One year warranty.



Specifications

Voltage Test Type:	AC
Maximum Output Voltage:	5,000 V
Maximum Leakage Current:	5.0 mA to 200mA in 1mA steps
Input Voltage:	120 VAC
Frequency:	60 Hz
Fuse:	120/230 VAC 5 A Slow Blow
Breakdown Detect:	Independent High Frequency Circuit (50 KHz - 500 KHz)
Transformer Power:	> 500 VA
HV Shutdown By Hipot Fail:	< 7 mS
Leakage Current Detect:	Independent Low Frequency Circuit
Test Time Range:	1 - 60 Seconds
Discharge Time:	< 7 mS
Display:	4 Digits LED Display
Voltage Meter Accuracy:	± 2% from 500V to 5000V
Leakage Current Accuracy:	± 1 mA Full Scale
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing

General

Output Connector:	HV connector with twist lock with a quarter turn
Dimensions:	17 in Wide x 11 in High x 17 in Deep
Weight:	66 lbs
Product Package:	HT-5000P ac 200mA Hipot Tester HT-5000P ac 200mA Product Manual 18 AWG Test Lead (Black) 18 AWG High Voltage Test Lead 18 AWG Line Power Cord NIST Traceable Calibration Certificate to MIL-STD45662-A

Options

Safety Interlock:	Two position terminal block on rear panel must be shorted for high voltage operation.
Voltage on Hold:	If a failure stops the test, the front voltage display will hold the last voltage reading.
Auto Reset on Pass:	Resets the HT-5000P ac 200mA after a few seconds only on passing test condition.

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.
Leakage Test:	Provided, 5 mA AC factory set pass/fail point, user adjustable.
Zero Voltage Start:	Voltage adjust knob must be to minimum position to allow start the test cycle.