

Hipot Tester

HT-3000P AC 1A

FAST

SAFE

RELIABLE

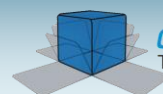


DIELECTRIC WITHSTAND

Model HT-3000P AC 1A is a 3000V AC Hipot Tester.

Features

- AC output: 300V to 3,000V.
- Leakage Current up to 1000mA.
- Leakage Current cutoff can be set from 30mA to 1000mA
- Main shutdown switch on front panel for safety.
- Microcontroller technologies, one button test, easy to set up, LED's indicates test progress.
- Upon failure, buzzer sounds, and testing is terminated.
- Output Voltage, Leakage Current and Test duration are controlled from the front panel.
- Voltage rampdown <1 second.
- Actual Voltage Output displayed on meter.
- Test Timer is defeatable.
- Separate arc detection circuitry.
- Zero Voltage start for safety.
- Ergonomically designed for safety, speed, and efficiency.
- Optional External Interlock disables HV output and defeats test when circuit is open.
- Designed for product development and laboratory use.
- Cables, manual and calibration certificate included.
- One year calibration cycle.
- One year warranty.



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Specifications

Voltage Test Type:	AC
Voltage Output:	300-3000VAC
Current Output:	30-1000mA
Input Voltage:	240V
Frequency:	60 Hz
Power Consumption:	13.5A at max output power
Breakdown Detect:	Independent High Frequency Circuit, low sensitivity; spark with high energy is detected to prevent damage.
Transformer Power:	> 500 VA
HV shutdown	<1 second
Leakage Current Detect:	Independent Low Frequency Circuit
Test Time Range:	1-60 Seconds or defeat
Voltage Display:	4 Digits LED
Voltage Meter Accuracy:	±2.0%, ±1 count
Voltage Resolution:	1V
Current Display:	4 Digits LED
Current Meter Accuracy:	±2.0%, ±1 count
Current Resolution:	10mA
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90% Non-Condensing



General

Dimensions:	24" Wide x 30" High x 23" Deep
Weight:	160 lbs approx.
Product Package:	HT-3000P AC 1A Hipot Tester HT-3000P AC 1A Product Manual 18 AWG Test Lead 4ft (Black) 18 AWG High Voltage Test Lead 4ft (Red) NIST Traceable Calibration Certificate to MIL-STD45662-A



Safety

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



Options

Option XI:	External Interlock, two position terminal block on rear panel must be shorted for HV operation.
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