

Hipot testers

HT-3000P-1A

FAST

SAFE

RELIABLE



DIELECTRIC WITHSTAND

Model HT-3000P-1A is a 3,000V AC Hipot Tester

FEATURES

AC output: up to 3,000 V

Leakage current up to 1000mA.

Main shutdown switch on front panel for safety.

Microcontroller Technologies, 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.

Test timer is defeatable.

Separate arc detection circuitry.

Leakage current cutoff can be set from 30mA to 1000mA

Voltage rampdown in < 1 second, actual output voltage displayed on meter.

Zero voltage start included.

Ergonomically designed for safety, speed and efficiency.

Optional very sensitive arc detection circuit.

Optional external interlock disables HV output and defeats test when circuit is open.

Cables, manual and calibration certificate included.

One year calibration cycle.

One year warranty.

Specifications

Voltage Test Type:	AC
Maximum Output Voltage:	3,000 V
Maximum Leakage Current:	1000 mA
Input Voltage:	240 VAC
Frequency:	60 Hz
Power consumption:	13.5A at maximum output power
Breakdown Detect:	Independent High Frequency Circuit, Low sensitivity Spark with high energy are detected to prevent damage
Transformer Power:	> 500 VA
HV Shutdown:	< 1 Second
Leakage Current Detect:	Independent Low Frequency Circuit
Test Time Range:	1 - 60 sec. or defeat (desired voltage delivered while TEST button is pressed). For continuous operation, specify Option RF
Voltage Display:	4 Digits LED Display
Voltage Meter Accuracy:	± 2% +/- 1 count
Voltage Resolution:	1Volt
Leakage Current:	30 - 1000 mA AC Increments of 10 mA
Current Display:	4 Digits LED Display
Current Meter Accuracy:	± 2% +/-1 count
Current Resolution:	10 mA
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing

General

Dimensions:	24 in Wide x 30" High x 23" in Deep
Weight:	160 lbs
Product Package:	HT-3000V-1A Hipot Tester HT-3000V-1A Product Manual 18 AWG Test Lead (Black), 4 feet 18 AWG High Voltage Test Lead, 4 feet NIST Traceable Calibration Certificate to MIL-STD45662-A

Options

Option XI:	External interlock; two position terminal block on rear panel must be shorted for high voltage operation.
Option SV:	Safe voltage output. Two position terminal block on rear panel; terminals are shorted when output voltage is 50V or lower.
Option RF:	Continuous operation. Timer defeat switch is changed to increase the test time to infinite.

Safety

Visual Indicator of Voltage 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.