

Hipot testers

HT-20KVPac

↘ FAST

↘ SAFE

↘ RELIABLE



↘ DIELECTRIC WITHSTAND

Model HT-20KVPac is a 20,000V Hipot Tester

↘ FEATURES

AC output: up to 20,000 V

Leakage current up to 5mA.

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, voltage ramp-up time and test duration are controlled from the front panel.

Voltage ramp, arc detection and test timer are defeatable.

Separate arc detection circuitry.

HV connector output with twist lock with a quarter turn.

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:	20,000 V
Maximum Leakage Current:	5.0 mA from 0 to 16,000V 1mA at 20,000V
Input Voltage:	120 VAC
Frequency:	60 Hz
Fuse:	120/230 VAC 2 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
Ramp Time Range:	1 - 5 Seconds
Test Time Range:	1 - 60 Seconds
Discharge Time:	< 7 mS For AC
Display:	4 Digits LED Display
Voltage Meter Accuracy:	± 0.1KV Full Scale
Leakage Current Accuracy:	± 0.1 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:	45 lbs
Product Package:	HT-20KVPac Hipot Tester HT-20KVPac 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-20KVPac after a few seconds only on passing test condition.
Zero Voltage Start:	Voltage adjust knob must be to minimum position to allow start the test cycle.

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, 1 mA AC factory set pass/fail point, user adjustable.