

# Hipot Testers



**HT-20KVP ac**

➔ FAST

➔ SAFE

➔ RELIABLE

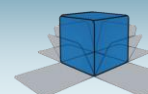


## DIELECTRIC WITHSTAND [HIPOT] TESTER

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:	0 - 20,000 Vac
Maximum Leakage Current:	5mA from 0 to 20,000V
Input Voltage:	120 V *optional different line voltages available (100V, 110V, 220V, 230V, 240V)
Frequency:	50/60 Hz
Fuse:	120/230 VAC 2A/1A 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
Discharge Timer:	<7ms
Display:	4 Digits LED Display
Voltage Meter Accuracy:	± 0.1KV Full Scale
Leakage Current Accuracy:	± 0.1mA Full Scale
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing

## General

Dimensions:	17" Wide x 6U High x 17" Deep
Weight:	42 lbs (packaging +10lbs)
Product Package:	HT-20KVP ac HT-20KVP ac Product Manual 18 AWG 4 feet Test Lead (Black) 18 AWG 4 feet 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-20KVP ac 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.
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, 1mA AC factory set pass/fail point, user adjustable.