

# Hipot Testers

**HT-5000P ac / dc 200mA**

FAST

SAFE

RELIABLE



## DIELECTRIC WITHSTAND

Model HT-5000P ac / dc 200mA is a 5,000V AC and 7000V DC Hipot Tester

## Features

- AC output: up to 5,000 V.
- DC output: up to 7,000 V.
- 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.
- Main shutdown switch on front panel for safety.
- 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 & DC
Output Voltage:	0 - 5,000VAC & 0 - 7,000VDC
Leakage Current:	AC & DC: 5 - 200mA from 0 - 5000V DC: Above 5000V 5- 140mA
Input Voltage:	120V/208V three phase
Frequency:	50/60 Hz
Fuse:	6 A Slow Blow per phase
Breakdown Detect:	Independent High Frequency Circuit
Transformer Power:	> 500 VA
Leakage Current Detect:	Independent Low Frequency Circuit
Test Time Range:	1 - 60 Seconds
Displays:	4 Digits LED Display
Voltage Meter Accuracy:	± 2 %
Leakage Current Accuracy:	± 1 mA Full Scale
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing



## General

Dimensions:	17 in Wide x 11 in High x 17 in Deep
Weight:	90 lbs
Product Package:	HT-5000P ac/dc 200mA HT-5000P ac/dc 200mA Product Manual 18 AWG Test Lead (Black) 18 AWG 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 failure as Excess Leakage or Hipot Fail happens, it will terminate the test and the front voltage display will hold the last voltage reading.
(AR) Auto Reset on Pass:	Resets the units after a few seconds only on passing test condition.
(ZOS) Zero Voltage Start:	Voltage adjust knob must be to minimum position to allow start the test cycle.
(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.



## 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 factory set pass/fail point, user adjustable.

