

Hipot Testers / research

HT-1000P DC

FAST

SAFE

RELIABLE



DIELECTRIC WITHSTAND [HIPOT]

Model HT-1000P DC is a 14,000Vdc hipot tester, built with microcontroller technology.

Features

- DC output: up to 14,000 V.
- Microcontroller Technology, one button test, easy to setup, LED's indicate test progress. Upon failure, buzzer sounds and testing is terminated.
- Leakage current limit, voltage ramp-up time and test duration are controlled from the rear panel.
- Voltage ramp, arc detection and test timer are defeatable.
- Separate arc detection circuitry.
- Ergonomically designed for safety, speed and efficiency.
- Designed for product development, production and laboratory use.
- Cables, manual and calibration certificate included.
- One year calibration cycle.
- One year warranty.

HT-10000P DC



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Specifications

Voltage Test Type:	DC
Maximum Output Voltage:	0 - 14,000 Vdc
Maximum Leakage Current:	5mA @ 10KVdc, 1mA @ 13kVdc
Input Voltage:	120 V *optional different line voltages available (100V, 110V, 220V, 230V, 240V)
Frequency:	50/60 Hz
Fuse:	120/230 VAC 2 A 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
Displays:	5 Digits LED Display
Voltage Meter Accuracy:	± 2 %
Duty Cycle:	100 %
Operation Temperature:	15 - 40 °C
Relative Humidity Range:	0 - 90 % Non-Condensing

General

Dimensions:	10" Wide x 5" High x 12" Deep
Weight:	18 lbs
Product Package:	HT-10000P DC HT-10000P DC 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-10000P DC 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.
(RF) Continuous Operation	Test time can be set for continuous operation.

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.