

Hipot Testers / research

HT-P Series

FAST

SAFE

RELIABLE

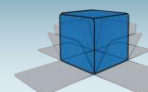


DIELECTRIC WITHSTAND / GROUND CONTINUITY TESTER

The HT-P series Hipot Tester with offline adjust of test time, leakage current limit setup and viewing.

Features

- AC output: 0-2000 V Leakage current up to 20 mA.
- DC Output: 0-2800V Leakage Current up to 5 mA.
- Output voltage, leakage current limit, voltage ramp-up time and test duration are controlled from the rear panel.
- Ground continuity test is defeatable for testing of two wire products.
- Nema 5-15R receptacle provided on front panel for high voltage output.
- Operation instructions provided on the rear panel.
- Performs UL and CSA safety agency requirements for production hipot testing.
- Can be connected to the GF-30AC ground bond tester for complete TUV and European safety testing, with the TESTLINK option.
- Support PLC interface for complete automated testing with the RI option.
- Small footprint and lightweight.
- Economical, durable and compact.
- Calibration certificate included.



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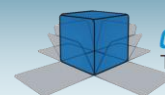
RELIABLE



Specifications

HT-3000P	Voltage Test Type:	AC & DC
	Maximum Output Voltage:	2000 VAC / 2800VDC
	Maximum Leakage Current:	20mA AC / 5mA DC
	Leakage Current Adjustment:	1 - 20 mA AC, increments of 0.1 mA 1 - 5 mA DC, increments of 0.1 mA
	Discharge time:	< 7mS for AC < 1.3 Sec for Max DC at open circuit
HT-2000P	Voltage Test Type:	AC
	Maximum Output Voltage:	2000 VAC
	Maximum Leakage Current:	20mA AC
	Leakage Current Adjustment:	1 - 20 mA AC, increments of 0.1 mA
	Discharge time:	< 7mS for AC
HT-2800P	Voltage Test Type:	DC
	Maximum Output Voltage:	2800VDC
	Maximum Leakage Current:	5mA DC
	Leakage Current Adjustment:	1 - 5 mA DC, increments of 0.1 mA
	Discharge time:	< 1.3 Sec for Max DC at open circuit
All Models	Input Voltage:	120 V *different line voltages available, see options section
	Frequency:	50/60 Hz
	Fuse:	250 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:	4 Digits LED Display
	Voltage Meter Accuracy:	± 2 % from 500-2000 volts AC ± 2 % from 500-2800 volts DC
	Leakage Accuracy:	± 0.1 mA from 1 - 17mA AC ± 0.1 mA from 1 - 5mA DC ± 0.2 mA from 17 - 20mA AC
	Ground Continuity:	Fixed at 3.0Ω (Current of 100 mA) ± 5% Accuracy Defeatable
	Duty Cycle:	100 %
	Operation Temperature:	15 - 40 °C
	Relative Humidity Range:	0 - 90 % Non-Condensing

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COMPLIANCE WEST USA
The blue box that tests. And tests.

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General

Output Connector:	NEMA 5-15R Receptacle (All HT-P series) Extra High Voltage Connector (only HT-3000P)
Dimensions:	9-1/4" Wide x 4-3/4" High x 10" Deep
Weight:	10.5 lbs
Product Package:	HT-P Hipot Tester HT-P Product Manual 18 AWG Line Power Cord 18 AWG Test Lead (Black) 18 AWG High Voltage Test Lead (Red) * Only for HT-3000P NIST Traceable Calibration Certificate to ANSI Z540

Options

(xxx) Different Line Voltages	Replace on the part number xxx for 100, 110, 220, 230 or 240 depending the line voltage. (120V for standard configuration)
(HO) HV Receptacle & Lead	Front Panel High Voltage Receptacle and Lead (HT-2000P and HT-2800 only)
(AH) High Voltage	2500Vac 20mA (HT-3000P and HT-2000P) 3400Vdc 5mA (HT-3000P and HT-2800P)
(TL) TestLink	TestLink for GF and HT test combination.
(AR) Auto Reset on Pass:	Resets the HT-P tester 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.

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 AC factory set pass/fail point, user adjustable.

