

# Hipot Testers

## HT-S Series



FAST



SAFE



RELIABLE



### UL LISTED DIELECTRIC WITHSTAND/GROUND CONTINUITY TESTER

The HT-S series Hipot Tester with adjustable voltage output, voltage ramp, test time, leakage current and ground continuity limit setting.

### FEATURES

#### **Model HT-2000S, HT-2800S, HT-3000S:**

AC Output: 0-2000V Leakage current up to 20mA.  
DC Output: 0-2800V Leakage Current up to 5 mA.

#### **Model HT-4200S:**

AC Output: 0-3000V Leakage current up to 10mA.  
DC Output: 0-4200V Leakage current up to 5mA.

Logic controlled, 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, ground continuity limit 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. (N/A on HT-4200S)

Operation instructions provided on the rear panel.

UL and c-UL approved

Performs UL and CSA safety agency requirements for production hipot testing.

Can be connected to the GF-30AC-T ground bond tester for complete TUV and European safety testing, with the TESTLINK option. (TESTLINK voids UL Listing).

Supports PLC interface for complete automated testing with the RI option.

Small footprint and lightweight.

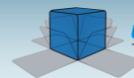
Economical, durable and compact.

Calibration certificate included

6" drop tested.

One year calibration cycle.

One year warranty.



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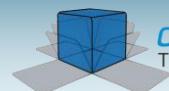


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## Specifications

<b>HT-2000S</b>	Voltage Test Type:	AC
	Maximum Output Voltage:	2000 VAC
	Maximum Leakage Current:	20mA AC
	Leakage Current Adjustment:	1-20mA AC, increments of 0.1 mA
<b>HT-2800S</b>	Voltage Test Type:	DC
	Maximum Output Voltage:	2800 VDC
	Maximum Leakage Current:	5mA AC
	Leakage Current Adjustment:	1-5 mA DC, increments of 0.1 mA
<b>HT-3000S</b>	Voltage Test Type:	AC/DC
	Maximum Output Voltage:	2000VAC / 2800VDC
	Maximum Leakage Current:	20mA AC / 5mA DC
	Leakage Current Adjustment:	1-20mA AC / 1-5mA DC, increments of 0.1 mA
<b>HT-4200S</b>	Voltage Test Type:	AC/DC
	Maximum Output Voltage:	3000VAC / 4200VDC
	Maximum Leakage Current:	10mA AC / 5mA DC
	Leakage Current Adjustment:	1-10mA AC / 1-5 mA DC, increments of 0.1 mA
<b>All Models</b>	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
	Leakage Current Detect:	Independent Low Frequency Circuit
	Ramp Time Range:	1 - 5 Seconds
	Test Time Range:	1 - 60 seconds
	Discharge Time:	<7ms for AC <1.3s for Max DC at Open Circuit
	Display:	4 Digits LED Display
	Voltage Meter Accuracy:	± 2 %
	Leakage Accuracy:	± 0.1 mA
	Ground Continuity:	0.08Ω - 1.50Ω increments of 0.01Ω Defeatable Min. Current: 100mA ± 0.02Ω Accuracy
	Duty Cycle:	100 %
	Pass/Fail Repeatability:	± 3%
	Operation Temperature:	15 - 40 °C
	Relative Humidity Range:	0 - 90 % Non-Condensing



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## General

### HT-2000S, HT-2800S, HT-3000S

Output Connector:

Dimensions:

Weight:

Product Package:

NEMA 5-15R Receptacle and 4mm H.V. Socket output

9-1/4" Wide x 4-3/4" High x 10" Deep

~11 lbs

HT-S Hipot Tester

HT-S Product Manual

18 AWG Line Power Cord

Ground Return Lead, 18AWG, 4ft long (1 x PN:00-GL)

Ground Continuity Connector Tip (1 x PN: 00-GPIN)

NIST Traceable Calibration Certificate to MIL-STD45662-A

Calibration Data Copy

### HT-4200S

Output Connector:

Dimensions:

Weight:

Product Package:

4mm H.V. Socket output

9-1/4" Wide x 4-3/4" High x 10" Deep

~11 lbs

HT-S Hipot Tester

HT-S Product Manual

18 AWG Line Power Cord

Ground Return Lead, 18AWG, 4ft long (2 x PN:00-GL-S)

High Voltage Test Lead, 5kV, Red 4ft long (1 x PN:00-HVTL-R-4)

NIST Traceable Calibration Certificate to MIL-STD45662-A

Calibration Data Copy

## Options

00-HVTL-R-6

High Voltage Test Lead, 5kV, Red 6ft long

00-TL

TestLink option. Allows connection with GF-30AC-T for Ground Bond Test

00-TLC

TestLink Cablesset. (For 00-TL)

00-RI

Relay Interface/PLC Interface. Test signals through relay contacts/coils

00-AR

Auto Reset on Pass option. Resets after passing test

00-HTT-1S

Function Checker: Allows verification of functionality/calibration of your tester.

00-HTT-1R

Function Checker: Allows verification of functionality/calibration of your tester.

Different models available (LomA, MedmA, HimA, ExmA and Custom)

## Safety

Output Voltage Indicator:

Provided by front panel meter, directly connected to high voltage output.

Failure Indicator:

Visual, Provided by red LED's.

Test automatically terminated on failure.

Leakage Test:

Factory setting set for pass/fail point (also user adjustable)

5mA AC and 2mA DC

Operation Instructions

Provided on rear panel

