

HT-S Series

> FAST

SAFE

RELIABLE





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

Model: HT-4200S

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

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, Ground continuity 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. Not available on HT-4200S

Operation instructions provided on the rear panel.

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

Can be conected to the GF-30AC-T 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 light weight.

Economical, durable and compact.

Calibration certificate included.

6" Drop tested.

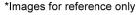
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Specifications

HT-2000S	Voltage Test Type:	AC
	Maximum Output Voltage:	2000VAC
		20 4

20mA Maximum Leakage Current: 1-20mA AC, 0.1mA increments Leakage Current:

HT-2800S

Voltage Test Type: Maximum Output Voltage: Maximum Leakage Current: DC 2800VDC 5mA

Leakage Current: 1-5mA DC, 0.1mA increments

HT-3000S

AC/DC 2000VAC/2800VDC 20MA AC/5mA DC Voltage Test Type: Maximum Output Voltage:

Maximum Leakage Current: 1-20mA AC/1-5mA DC, 0.1mA increments Leakage Current:

HT-4200S

Voltage Test Type: Maximum Output Voltage: AC/DC 3000VAC/4200VDC 10mA AC/5mA DC 1-10mA AC/1-5mA DC, 0.1mA increments

Maximum Leakage Current: Leakage Current

Input Voltage: 120 VAC All models

60 Hz Frequency: 120/230 VAC 2A Slow Blow Fuse:

Breakdown Detect: Independent High Frequency Circuit

(50 KHz - 500 KHz)

Transformer Power: < 500 VA HV Shutdown By Hipot Fail: < 7 mS

Independent Low Frequency Circuit Leakage Current Detect:

1 - 5 Seconds Ramp Time Range: 1 - 60 Seconds Test Time Range: Discharge Time:

< 7 mS For AC < 1.3 S For Max DC at Open Circuit

Display: 4 Digits LED Display

Voltage Meter Accuracy: ± 2%

Leakage Current Accuracy: ± 0.1mA Accuracy

Ground Continuity: 0.08Ω - 1.50Ω Increments of 0.01Ω

Defeatable

Min Current: 100mA $\pm 0.02\Omega$ Accuracy

Defeatable

Ground Continuity Auto Offset: $0.01\Omega - 1.00\Omega$ \pm 0.02 Ω Accuracy

Duty Cycle: 100% Pass/Fail Repeatability: ± 3%

15 - 40 °C Operation Temperature:

Relative Humidity Range: 0 - 90% Non-Condensing







General

HT-2000S, HT-2800S, HT-3000S.

Output Connector: NEMA 5-15R Receptacle.

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

Weight: 11Lbs aprox.

Product Package: HT-S Hipot Tester.

HT-S Product Manual. 18 AWG Line Power Cord.

Ground Return Lead, 18AWG, 4ft long (Qty 1, PN:00-GL) Ground Continuity Connector Tip (Qty 1, PN:00-GPIN) NIST Traceable Calibration Certificate to MIL-STD45662-A.

Calibration Data Copy.

HT-4200S.

Output Connector: 4mm H.V. Socket.

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

Weight: 11Lbs aprox.

Product Package: HT-S Hipot Tester.

HT-S Product Manual. 18 AWG Line Power Cord.

Ground Return Lead, 18AWG, 4ft long (Qty 2, PN:00-GL)
High Voltage Test Lead, 5KV, Red 4ft long (Qty 1, PN:00-HVTL-R-4)
NIST Traceable Calibration Certificate to MIL-STD45662-A.

Calibration Data Copy.

Options

00-HVSO 4mm H.V. Socket output (for HT-2000S, HT-2800S & HT-3000S)

00-HVTL-R-4 High Voltage Test Lead, 5KV, Red 4ft long (for 00-HVSO) 00-HVTL-R-6 High Voltage Test Lead, 5KV, Red 6ft long (for 00-HVSO)

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

00-TLC TestLink Cableset. (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

Function Checker: HTT-1: Allows to verify the functionality of your tester

HTT-1R: Allows to verify the functionality and calibration of your tester

Safety

Visual Indicator of Volt. Output: Provided by front panel meter, directly connected to H.V. ouput.

Failure Indicator: Audible, provided by internal buzzer.

Visual, Provided by red LED's.

Test automatically terminated on failure.

Leakage Test: Factory settings set for pass/fail point (also user adjustable)

5mA AC and 2mA DC.

Operation Instructions: Provided on rear panel.

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