

# Hipot testers

## HT-S Series

FAST

SAFE

RELIABLE



\*Image for reference only

## 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 connected 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.

1 Year calibration cycle.

1 Year warranty .

**CALRIGHT**  
**INSTRUMENTS**

The Right Source For Your Test & Measurement Needs

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Toll Free: 1.866.363.6634 Tel: 1.619.429.4545 Fax: 1.619.374.7012  
Email: sales@calright.com <http://www.calright.com>

# HT-S

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### Specifications

HT-2000S	Voltage Test Type: Maximum Output Voltage: Maximum Leakage Current: Leakage Current:	AC 2000VAC 20mA 1-20mA AC, 0.1mA increments
HT-2800S	Voltage Test Type: Maximum Output Voltage: Maximum Leakage Current: Leakage Current:	DC 2800VDC 5mA 1-5mA DC, 0.1mA increments
HT-3000S	Voltage Test Type: Maximum Output Voltage: Maximum Leakage Current: Leakage Current:	AC/DC 2000VAC/2800VDC 20mA AC/5mA DC 1-20mA AC/1-5mA DC, 0.1mA increments
HT-4200S	Voltage Test Type: Maximum Output Voltage: Maximum Leakage Current: Leakage Current:	AC/DC 3000VAC/4200VDC 10mA AC/5mA DC 1-10mA AC/1-5mA DC, 0.1mA increments
All models	Input Voltage: Frequency: Fuse:  Breakdown Detect:  Transformer Power: HV Shutdown By Hipot Fail:  Leakage Current Detect:  Ramp Time Range: Test Time Range: Discharge Time:  Display: Voltage Meter Accuracy:  Leakage Current Accuracy:  Ground Continuity:  Ground Continuity Auto Offset:  Duty Cycle: Pass/Fail Repeatability:  Operation Temperature: Relative Humidity Range:	120 VAC 60 Hz 120/230 VAC 2A Slow Blow  Independent High Frequency Circuit (50 KHz - 500 KHz)  < 500 VA < 7 mS  Independent Low Frequency Circuit  1 - 5 Seconds 1 - 60 Seconds < 7 mS For AC < 1.3 S For Max DC at Open Circuit  4 Digits LED Display ± 2%  ± 0.1mA Accuracy  0.08Ω - 1.50Ω Increments of 0.01Ω Defeatable Min Current: 100mA ± 0.02Ω Accuracy Defeatable  0.01Ω - 1.00Ω ± 0.02Ω Accuracy  100% ± 3%  15 - 40 °C 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.
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 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. output.
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.