



Hipot Tester

HT-2000S, HT-2800S, HT-3000S, HT-4200S

PN:00-HT2000S, 00-HT2800S, 00-HT3000S, 00-HT4200S

❖ Dielectric Withstand / Adjustable Ground Continuity Tester.



The UL Listed HT-S series hipot now comes with an adjustable ground continuity test in range of 0.08-1.50Ω, and Auto-offset for test leads up to 1.00Ω, adjustable voltage output, voltage ramp and leakage current.

Easy to use and connect. Ships complete with cables, manual, Calibration Certificate and Calibration Data Log Copy.

*Actual products may vary depending on options and configuration.

➤ Features

- UL and c-UL approved.
- Fast accurate results.
- Microcontroller Technologies.
- One button test, easy to setup.
- LED's indicate test progress.
- Upon failure, the buzzer sounds, and testing is terminated.
- Output voltage, leakage limit, volt ramp-up time, test duration and ground settings are controlled from rear panel.
- Adjustable Ground Continuity.
- Ground continuity test is defeatable for testing of two wire products.
- NEMA 5-15R receptacle provided on front panel for high voltage output.
- Can be connected to the GF-30AC-T ground bond tester for complete TUV and European safety testing, with the **TESTLINK option**.
- Supports PLC interface for complete automated testing with the **RI option**.
- Ergonomically designed for safety, speed, and efficiency.
- Rugged construction that can withstand a 6" drop with no damage.
- Small footprint and lightweight.
- Leads, manual and calibration certificate included.
- ISO17025 Calibration available.
- One year calibration cycle.
- One year warranty.



➤ Specifications

TESTING CIRCUITRY

HT-2000S

| | |
|----------------------|-----------------------------|
| Test Type: | AC. |
| Max. Output Voltage: | 2000Vac. |
| Leakage Current: | 1-20mAac, 0.1mA increments. |

HT-2800S

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|----------------------|----------------------------|
| Test Type: | DC. |
| Max. Output Voltage: | 2800Vdc. |
| Leakage Current: | 1-5mAac, 0.1mA increments. |

HT-3000S

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|----------------------|---------------------------------------|
| Test Type: | AC/DC. |
| Max. Output Voltage: | 2000Vac / 2800Vdc. |
| Leakage Current: | 1-20mAac / 1-5mAac, 0.1mA increments. |

HT-4200S

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|----------------------|---------------------------------------|
| Test Type: | AC/DC. |
| Max. Output Voltage: | 2000Vac / 4200Vdc. |
| Leakage Current: | 1-10mAac / 1-5mAac, 0.1mA increments. |

All Models

| | |
|----------------------------|--|
| Ground Continuity: | 0.08Ω-1.50Ω, 0.01Ω increments, Defeatable. |
| Ground Cont. Min. Current: | 100mA. |

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| Breakdown Detect: | Independent High Frequency Circuit (50KHz–500KHz). |
| Transformer Power: | <500VA. |
| Leakage Current Detect: | Independent Low Frequency Circuit. |

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| 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. |

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| Display: | 4 Digits LED Display. |
| Voltage Meter Accuracy: | ±2%. |
| Leakage Accuracy: | ±0.1mA. |

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

ELECTRICAL

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| Rated Input Voltage: | 120Vac, ±10%, overvoltage cat 2, 0.5A. |
| Frequency: | 60Hz. |
| Fuse: | 1A, 250V, time delay, 5x20mm. |

SAFETY

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| Safety Interlock: | 2-pin terminal block on rear panel; shorted for operation. (Optional) |
| Output Voltage Indicator: | Front panel meter directly connected to High Voltage. |
| Failure Indicator: | Visual; provided by red LED's, Audible; provided by buzzer. Test automatically terminated on failure. |

OUTPUTS

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| NEMA 5-15R: | High Voltage output for easy DUT connection (N/A on HT-4200S model). |
| RETURN: | 4mm Socket (XEF-1RR), 1000V, CAT IV, 24A, Black. |
| H.V. OUTPUT: | 4mm Socket, 5000V, Red. |



➤ Environmental

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|--------------------------|---|
| Operating Temperature: | 15-40°C. |
| Relative Humidity Range: | 0-90% non-condensing. |
| Altitude: | 0-300m. |
| | Pollution Degree II (indoors, office/laboratory). |

➤ General

| | |
|------------------|---|
| Dimensions: | 9¼" Wide x 4¾" High x 10" Deep. |
| Weight: | 11lbs approx. |
| Product Package: | <ul style="list-style-type: none"> • HT-S Tester. • HT-S User Manual. • Ground Test Lead, qty 2 for HT-4200S model. • H.V. Test Lead • Calibration Pin. • Power Cord. • NIST traceable calibration certificate to ANSI Z540. • Calibration Data Copy. |

➤ Options

| | |
|--------------|---|
| 00-TL: | TestLink option. Allows connection with GF-30AC-T for Ground Bond Test. |
| 00-TLC: | TestLink cableset for use with 00-TL. |
| 00-RI: | Relay Interface/PLC Interface. Test signals through relay contacts/coils. |
| 00-AR: | Auto reset on pass. Resets after passing test. |
| 00-XI: | External Safety Interlock. |
| 00-HAN-S: | Carrying handle kit. |
| 80-100-001-E | Explorer Case with foam for shipping/transport. |
| 80-100-001-P | Pelican Case with foam for shipping/transport. |

➤ Images



HT-2000S



HT-2800S



HT-4200S

Rev 6.3

