



Hipot Tester

HT-2000PV2, HT-2800PV2, HT-3000PV2

PN:00-HT2000PV2, 00-HT2800PV2, 00-HT3000PV2

❖ Dielectric Withstand / Ground Continuity Tester.



The HT-P V2 Hipot Testers series emerges from the redesigned HT-P series, offering new long-life buttons, robust design, lighter and cleaner appearance.

Performs the Breakdown, Leakage and Ground Continuity Test with a fixed Pass/Fail point of 2.93Ω.

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

- Fast accurate results.
- Microcontroller Technologies.
- One button test, easy to setup.
- Long life TEST and RESET buttons.
- LED's indicate test progress.
- Upon failure, the buzzer sounds, and testing is terminated.
- Output voltage, leakage limit, volt ramp-up time and test duration are controlled from 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.
- 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-2000PV2

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

HT-2800PV2

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

HT-3000PV2

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

All Models

| | |
|-------------------------|--|
| 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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|--------------------------|--------------------|
| Ground Continuity: | 2.93Ω, Defeatable. |
| Duty Cycle: | 100% |
| Pass/Fail Repeatability: | ±3% |

ELECTRICAL

| | |
|----------------------|-------------------------------|
| Rated Input Voltage: | 120Vac. |
| 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. |
| RETURN: | 4mm Socket (XEF-1RR), 1000V, CAT IV, 24A, Black. |



➤ Environmental

| | |
|--------------------------|-----------------------|
| Operating Temperature: | 15-40°C. |
| Relative Humidity Range: | 0-90% non-condensing. |

➤ General

| | |
|------------------|---|
| Dimensions: | 9¼" Wide x 4¾" High x 10" Deep. |
| Weight: | 11lbs approx. |
| Product Package: | <ul style="list-style-type: none"> • HT-PV2 Tester. • HT-PV2 User Manual. • Calibration Data Copy. • NIST Traceable Calibration Certificate to ANSI Z540. • AC Power Cord, 18AWG, 6ft long (70-101). • Crocodile Clip, 4mm plug, Green (70-240-125). • Return Test Lead with in-line plug, 4mm, 150cm, Black (70-241-021). |

➤ Options

| | |
|--------------|---|
| 00-TL: | TestLink option. Allows connection with GF-30AC-T for Ground Bond Test. |
| 00-TLC: | TestLink cablesset 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-L: | Carrying handle mounted on left side. |
| 00-HAN-R: | Carrying handle mounted on right side. |
| 00-HAN-T: | Carrying handle mounted on top side. |
| 80-100-001-E | Explorer Case with foam for shipping/transport. |
| 80-100-001-P | Pelican Case with foam for shipping/transport. |

➤ Images



HT-2000PV2



HT-2800PV2



HT-3000PV2



00-GL-GC

(70-240-125 + 70-241-021)

Rev 3.4

