

Hipot testers

HT-PR Series

↘ FAST

↘ SAFE

↘ RELIABLE



↘ DIELECTRIC WITHSTAND/GROUND CONTINUITY TESTER

The HT-PR series Hipot Tester with offline adjust of test time, leakage current and now with adjustable ground continuity limit setting.

↘ FEATURES

AC output: 0-2000 V Leakage current up to 20 mA.

DC Output: 0-2800V 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.

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 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.



HT-PR

FAST

SAFE

RELIABLE



Specifications

HT-2000PR

Voltage Test Type: AC
Maximum Output Voltage: 2000 V
Maximum Leakage Current: 20 mA

HT-2800PR

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

HT-3000PR

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

All models

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
HV Shutdown By Hipot Fail: < 7 mS

Leakage Current Detect: Independent Low Frequency Circuit

Ramp Time Range: 1 - 5 Seconds
Test Time Range: 1 - 60 Seconds
Discharge Time: < 7 mS For AC
< 1.3 S For Max DC at Open Circuit

Display: 4 Digits LED Display
Voltage Meter Accuracy: $\pm 2\%$

Leakage Current: 1 - 20 mA AC Increments of 0.1 mA
1 - 5 mA DC Increments of 0.1 mA
 ± 0.1 mA Accuracy

Ground Continuity: 0.08 Ω - 1.50 Ω Increments of 0.01 Ω
Defeatable
Min Current: 100 mA
 ± 0.02 Ω Accuracy
Defeatable

Ground Continuity Auto Offset: 0.01 Ω - 1.00 Ω
 ± 0.02 Ω Accuracy

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

Operation Temperature: 15 - 40 $^{\circ}\text{C}$
Relative Humidity Range: 0 - 90 % Non-Condensing

 General

Output Connector:	NEMA 5-15R Receptacle
Dimensions:	9-1/4" Wide x 4-3/4" High x 10" Deep
Product Package:	HT-PR Hipot Tester HT-PR Product Manual 18 AWG Test Lead (Black) Ground Continuity Connector Tip. 18 AWG High Voltage Test Lead (Red Only with HT-3000PR) 18 AWG Line Power Cord NIST Traceable Calibration Certificate to MIL-STD45662-A

 Options

Ground Bond Test:	TESTLINK Option Allows Connection With GF-30AC
PLC Interface:	RI Options Test Signals Through Relay Contacts/Coils
Auto Reset on Pass:	AR 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 Voltage Output:	Provided by front panel meter, directly connected to high voltage output.
Failure Indicator:	Audible, provided by internal buzzer. Visual, Provided by red LED's. Test automatically terminated on failure.
Leakage Test:	Provided, 5 mA AC factory set pass/fail point, user adjustable.
Operation Instructions:	Provided on rear panel.