

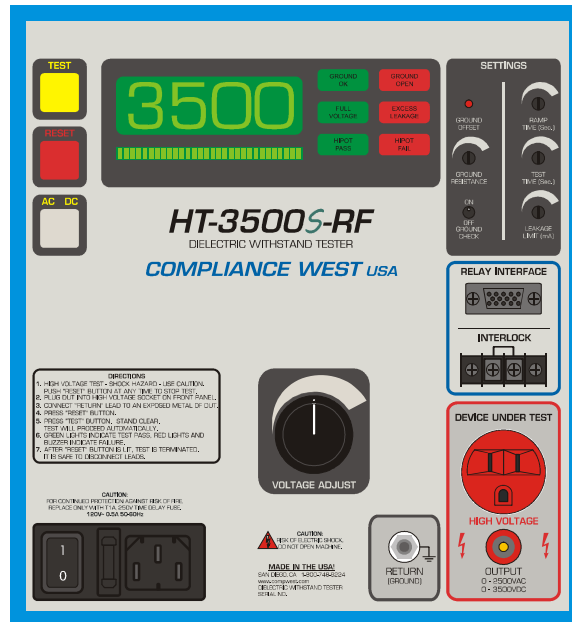
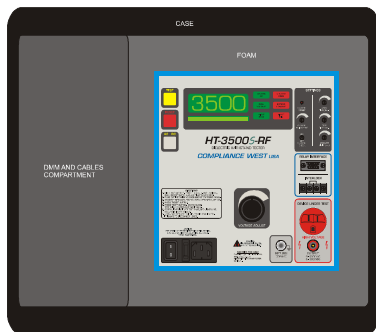
# Hipot Testers

**HT-3500S RF**

FAST

SAFE

RELIABLE



## DIELECTRIC WITHSTAND/GROUND CONTINUITY TESTER

The Model HT-3500S-RF is a "ruggedized" tester with adjustable voltage output, voltage ramp, test time, leakage current and ground continuity limit settings.

## Features

- AC output: 0-2500V Leakage current up to 20mA.
- DC output: 0-3500V Leakage current up to 5mA.
- Logic controlled, one button test, easy 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 front panel.
- Ground continuity test is defeatable for testing of two wire products .
- Operation instructions provided on front panel.
- Performs UL and CSA safety agency testing requirements for production hipot testing.
- Supports PLC interface for complete automated testing with RI option.
- Includes specialized Explorer case with customized inserts for maximum protection and durability.
- Custom voltage adjustment knob for ease-of-use.
- Nema 5-15R receptacle provided on front panel for high voltage output.
- One year calibration cycle.
- One year warranty.

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## Specifications

Voltage Test Type:	AC & DC
Maximum Output Voltage:	0 - 2500VAC & 0 - 3500VDC
Leakage Current:	1-20mA AC/1-5mA DC, 0.1 mA increments
Input Voltage:	120V AC
Frequency:	60 Hz
Fuse:	120/230 VAC 2 A Slow Blow
Breakdown Detect:	Independent High Frequency Circuit (50 KHz – 500 KHz)
Transformer Power:	< 500 VAC
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
Displays:	4 Digits LED Display
Voltage Meter Accuracy:	± 2%
Leakage Current Accuracy:	± 0.1 mA
Ground Continuity:	0.8ohm – 1.5ohm increments of 0.01ohms Defeatable Min current: 100mA ± 0.02ohm accuracy Defeatable
Ground Continuity Auto Offset:	0.01ohm – 1.00ohm ± 0.02ohm accuracy
Duty Cycle:	100%
Pass/Fail Repeatability:	± 3%
Operation Temp:	15 – 40°C
Relative Humidity Range:	0 - 90 % Non-Condensing

## General

Output Connector	NEMA 5-15R Receptacle and 4mm HV Socket
Dimensions:	18.6 in Wide x 8.4 in High x 16.3 in Deep
Weight:	22 lbs
Product Package:	HT-3500S-RF HT-3500S-RF Product Manual 18 AWG Test Lead (Black) 18 AWG High Voltage Test Lead (Red) NIST Traceable Calibration Certificate to MIL-STD45662-A

## Options

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-RI:	Relay Interface/PLC Interface. Test signals through relay contact/coils
00-AR:	Auto Reset on Pass option, resets after passing test
Function Checker:	HTT-1: Provides verification of functionality of tester HTT-1R: Provides verification of functionality and calibration of tester

## Safety

Visual Indicator of Voltage Output:	Provided by front panel meter, directly connected to high voltage output.
Failure Indicator:	Audible, provided by buzzer.