

# Extend Your Tests



## GPT-9500 Series

### Multi-Channel Hipot Tester

- 150VA AC Test Capacity
- 3 in 1 Tester : AC, DC, IR
- Built-in 8 Channel Scanner
- 480 x 272 Color TFT LCD
- Test Parameter Export/Import Through USB Host
- Statistics (counter) Function
- Insulation Resistance Measurement up to 10GΩ
- Open/Short Check (OSC)
- ARC Detection
- Multi-language : Traditional/Simplified Chinese, English
- Interface : RS-232C, USB Host/Device and Signal I/O



#### SELECTION GUIDE

FUNCTION MODEL	Channel Status	AC Withstanding	DC Withstanding	Insulation Resistance	Continuity
GPT-9503	H or X	✓	✓	✓	✓
GPT-9513	H, L or X	✓	✓	✓	✓

X : means "no-used"

[www.gwinstek.com](http://www.gwinstek.com)

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## SPECIFICATIONS

<b>AC WITHSTANDING</b>	<b>Output-Voltage Range</b> <b>Output-Voltage Resolution</b> <b>Output-Voltage Accuracy</b> <b>Maximum Rated Load</b> <b>Maximum Rated Current</b> <b>Output-Voltage Waveform</b> <b>Voltage Regulation</b> <b>Output-Voltage Frequency</b> <b>Voltmeter Accuracy</b> <b>Current Measurement Range</b> <b>Current Best Resolution</b> <b>Current Measurement Accuracy</b> <b>Current Offset</b> <b>ARC Detect</b> <b>RAMP TIME (Rise Time)</b> <b>FALL Time</b> <b>WAIT Time</b> <b>TIMER (Test Time)</b> <b>TIMER Accuracy</b> <b>GND</b>	0.050kV ~ 5.000kV 1V ±(1% of setting + 5V) [no load] 150 VA (5kV/30mA) 30mA ; 0.001mA ~ 10mA (0.05kV ≤ V ≤ 0.5kV) ; 0.001mA ~ 30mA (0.5kV < V ≤ 5kV) Sine wave ±(1% + 5V) [maximum rated load → no load] 50 Hz / 60 Hz selectable ±(1% of reading + 5V) 0.001mA ~ 30.00mA 1 μA (0.001mA ~ 9.999mA) ; 10 μA (10.00mA ~ 30.00mA) ±(1.5% of reading + 30 μA) 80 μA maximum Yes 0.1s~999.9s OFF~999.9s OFF~999.9s CONT, 0.3s~999.9s ±(100ppm + 20ms) ON/OFF
<b>DC WITHSTANDING</b>	<b>Output-Voltage Range</b> <b>Output-Voltage Resolution</b> <b>Output-Voltage Accuracy</b> <b>Maximum Rated Load</b> <b>Maximum Rated Current</b> <b>Voltmeter Accuracy</b> <b>Voltage Regulation</b> <b>Current Measurement Range</b> <b>Current Best Resolution</b> <b>Current Measurement Accuracy</b> <b>Current Offset</b> <b>ARC Detect</b> <b>RAMP TIME (Rise Time)</b> <b>FALL Time</b> <b>WAIT Time</b> <b>TIMER (Test Time)</b> <b>TIMER Accuracy</b> <b>GND</b>	0.050kV~6.000kV 1V ±(1% of setting + 5V) [no load] 50W (5kV/10mA) 10mA ; 0.001mA ~ 2mA (0.05kV ≤ V ≤ 0.5kV) ; 0.001mA ~ 10mA (0.5kV < V ≤ 6kV) ±(1% of reading + 5V) ±(1% + 5V) [maximum rated load → no load] 0.001mA ~ 10.00mA 0.1 μA (0.1 μA ~ 999.9 μA) ; 1 μA (1 μA ~ 9.999mA) ; 10 μA (10.00mA) ±(1% of reading + 1 μA) when I Reading < 1mA ; ±(1% of reading + 10 μA) when I Reading ≤ 1mA 5 μA maximum Yes 0.1s~999.9s OFF~999.9s OFF~999.9s CONT, 0.3s~999.9s ±(100ppm + 20ms) ON/OFF
<b>INSULATION RESISTANCE</b>	<b>Output Voltage</b> <b>Output-Voltage Resolution</b> <b>Output-Voltage Accuracy</b> <b>Resistance Measurement</b> <b>Test Voltage</b> 50V ≤ V < 500V  500V ≤ V ≤ 1000V  <b>Voltage Regulation</b> <b>Voltmeter Accuracy</b> <b>Short-Circuit Current</b> <b>Output Impedance</b> <b>RAMP TIME (Rise Time)</b> <b>FALL Time</b> <b>WAIT TIME</b> <b>TIMER (Test Time)</b> <b>TIMER Accuracy</b> <b>GND</b>	50V~1000V dc 1V ± (1% of setting + 5V) [no load] 0.1MΩ~10GΩ Measurement Range / Accuracy 0.1MΩ~1MΩ : ±(5% of reading + 3 count) ; 1 MΩ~50MΩ : ±(5% of reading + 1 count) ; 51MΩ~2GΩ : ±(10% of reading + 1 count) 0.1MΩ~1MΩ : ±(5% of reading + 3 count) ; 1 MΩ~500MΩ : ±(5% of reading + 1 count) ; 501MΩ~10GΩ : ±(10% of reading + 1 count) ± (1% + 5V) [maximum rated load → no load] ± (1% of reading + 5V) 10mA max. 2kΩ 0.1s~999.9s OFF~999.9s OFF~999.9s 0.3s~999.9s ±(100ppm + 20ms) ON/OFF
<b>CONTINUITY TEST</b>	<b>Output-Current</b> <b>Ohmmeter Measurement Accuracy</b>	100mA dc 1Ω ± 0.2Ω, ON/OFF
<b>INTERFACE</b>	<b>Signal I/O</b> <b>RS-232C</b> <b>USB (Device)</b> <b>USB (Host)</b> <b>Rear Output</b>	Standard Standard Standard Standard (for Parameter/LCD Hardcopy) Scanner
<b>DISPLAY</b>		4, 3" Color LCD
<b>POWER SOURCE</b>		AC 100V~240V ± 10%, 50Hz/60Hz
<b>DIMENSIONS &amp; WEIGHT</b>		320(W) x 120(H) x 435(D) mm; Approx. 11kg

\* The specifications apply when the GPT-9500 is powered on for at least 30 minutes under +15°C~+35°C.

Specifications subject to change without notice. PT-9500GD1DS

### ORDERING INFORMATION

**GPT-9513** AC 150VA Multi-Channel Hipot Tester  
**GPT-9503** AC 150VA Multi-Channel Hipot Tester

### ACCESSORIES

Quick Start Guide x 1, CD x 1 (Complete User Manual), Power Cord x 1,  
 Test Leads GHT-115 x 1, GHT-116B x 1, GHT-116R x 8

### OPTIONAL ASSESSORIES

**GTL-236** RS-232C Cable, approx. 2m  
**GTL-246** USB Cable, A-B type, approx. 1.2m

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