



GPT-9800 Series

Electrical Safety Tester

2 Year WARRANTY

FEATURES

- 200VA AC Test Capacity
- 240x64 Ice Blue Dot Matrix LCD
- Manual/Auto Mode
- Function Key for Quick Selecting
- High Intensity Flash for Caution & Status Indication
- Safety Interlock Function
- Zero Crossing Turn-on Operation
- Controllable Ramp-up Time
- True RMS Current Measurement
- High Resolution : 1 μ A for Measuring Current, 2V for Setting Voltage
- PWM Switching Amplifier to Enhance the Power Efficiency and Reliable Testing
- Max. 100 Memory Block for Test Condition(Step) Setting. And Each Step can be Named Individually
- Remote Terminal on the Front Panel for “Start”and“Stop” Control by External Interface : RS-232C, USB Device, Signal I/O and GPIB (Optional)

Electronix EXPRESS
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PANEL INTRODUCTION

1. 240 x 64 Ice blue matrix LCD display, supporting a greater view of setting parameters and testing results
2. High intensity LED indicators to show the status of safety tester
3. Withstanding high voltage output for AC 5kV max. and DC 6kV max. in 2V per step; insulation resistance test from 50V~1000V in 50V per step
4. Quick selecting function keys, corresponding to the functions or parameters displayed on the screen
5. Remote terminal provides "start" and "stop" control by an external controller
6. High current output up to 30A ac for 4 wires Ground Bond testing
7. The Signal I/O port provides remote control "start" and "stop" functions and monitor the test status of the tester
8. USB and RS-232C communication ports facilitate the easy & convenient communication
9. GPIB communication is supported as optional



APPLICATIONS

- Safety Testing of Electrical Product in Manufacturing

Power Cord

Home Appliances

Information Technology Equipment

Medical Equipment

- Quality Assurance Verification
- Safety Standard Compliance
- Pre-qualification in R&D

AC/DC Withstanding Voltage/Insulation Resistance/ Ground Bond Tester



GPT-9804

AC/DC Withstanding Voltage/Insulation Resistance Tester



GPT-9803/9802/9801

SPECIFICATIONS

AC WITHSTANDING	Output-Voltage Range Output-Voltage Resolution Output-Voltage Accuracy Maximum Rated Load Maximum Rated Current Output-Voltage Waveform Output-Voltage Frequency Voltage Regulation Voltmeter Accuracy Current Measurement Range Current Best Resolution Current Measurement Accuracy Window Comparator Method ARC Detect RAMP (Ramp-Up Time) TIMER (Test Time)* GND	0.100kV~ 5.000kV ac 2V/step $\pm(1\%$ of setting + 5V) [no load] 200 VA (5kV/40mA) 40mA (0.5kV < V ≤ 5kV); 10mA (0.1kV ≤ V ≤ 0.5kV) Sine wave 50Hz/60Hz selectable $\pm(1\%$ of reading + 5V) [full load → no load] $\pm(1\%$ of reading + 5V) 0.001mA~40.0mA 0.001mA/0.01mA/0.1mA $\pm(1.5\%$ of reading + 30μA) Yes Yes 0.1s~999.9s OFF, 0.5s~999.9s RETURN/GUARD									
DC WITHSTANDING	Output-Voltage Range Output-Voltage Resolution Output-Voltage Accuracy Maximum Rated Load Maximum Rated Current Voltage Regulation Voltmeter Accuracy Current Measurement Range Current Best Resolution Current Measurement Accuracy Window Comparator Method ARC Detect RAMP (Ramp-Up Time) TIMER (Test Time)* GND	0.100kV~6.000kV dc 2V/step $\pm(1\%$ of setting + 5V) [no load] 50W(5kV/10mA) 10mA(0.5kV < V ≤ 6kV); 2mA (0.1kV ≤ V ≤ 0.5kV) $\pm(1\%$ of reading + 5V)[full load → no load] $\pm(1\%$ of reading + 5V) 0.001mA~10.0mA 0.001mA/0.01mA/0.1mA $\pm(1.5\%$ of reading + 30μA) Yes Yes 0.1s~999.9s OFF, 0.5s~999.9s RETURN/GUARD									
INSULATION RESISTANCE	Output Voltage Output-Voltage Resolution Output-Voltage Accuracy Resistance Measurement Range Window Comparator Method RAMP (Ramp-Up Time) TIMER (Test Time) GND	50V~1000V dc 50V/step $\pm(1\%$ of setting + 5V) 1MΩ ~ 9500MΩ Yes 0.1s~999.9s 1s~999.9s GUARD (fix)									
		<table border="1"> <thead> <tr> <th>Test Voltage</th> <th>Measurable Range</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td>50V ≤ V < 500V</td> <td>1~50MΩ ; 51~2000MΩ</td> <td>$\pm(5\%$ of reading+1MΩ); $\pm(10\%$ of reading+1MΩ)</td> </tr> <tr> <td>500V ≤ V ≤ 1000V</td> <td>1~500MΩ ; 501~9500MΩ</td> <td>$\pm(5\%$ of reading+1MΩ); $\pm(10\%$ of reading+1 MΩ)</td> </tr> </tbody> </table>	Test Voltage	Measurable Range	Accuracy	50V ≤ V < 500V	1~50MΩ ; 51~2000MΩ	$\pm(5\%$ of reading+1MΩ); $\pm(10\%$ of reading+1MΩ)	500V ≤ V ≤ 1000V	1~500MΩ ; 501~9500MΩ	$\pm(5\%$ of reading+1MΩ); $\pm(10\%$ of reading+1 MΩ)
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500V ≤ V ≤ 1000V	1~500MΩ ; 501~9500MΩ	$\pm(5\%$ of reading+1MΩ); $\pm(10\%$ of reading+1 MΩ)									
GROUND BOND	Output-Current Output-Current Resolution Output-Current Accuracy Test-Voltage Test-Voltage Frequency Resistance Measurement Range Resistance Measurement Resolution Resistance Measurement Accuracy Window Comparator Method TIMER (Test Time) Test Method	03.00A~30.00A ac 0.01A $3A \leq I \leq 8A : \pm(1\%$ of reading + 0.2A) $8A < I \leq 30A : \pm(1\%$ of reading + 0.05A) 6Vac max (open circuit) 50Hz/60Hz selectable 0.1mΩ ~ 650.0mΩ 0.1mΩ $\pm(1\%$ of reading + 2mΩ) Yes 0.5s~999.9s Four Terminal									
MEMORY	Single Step Memory Automatic Testing Memory	MANU : 100 blocks AUTO : 100 blocks, menu per auto : 16									
INTERFACE	RS-232C USB GPIB Remote Terminal (Front) Signal I/O	Standard Standard Option Standard Standard									
DISPLAY	240 x 64 Ice Blue Dot matrix LCD										
POWER SOURCE	AC100V/120V/220V/230V±10% , 50/60Hz										
DIMENSIONS & WEIGHT	330(W) x 150(H) x 460(D) mm ; Approx. 15kg max. for GPT-9803/9802/9801; Approx. 19kg max. for GPT-9804										

* The timer can only be turned-off when the tester is in the special MANU mode.

Specifications subject to change without notice. PT-9800GD1BH

ORDERING INFORMATION

GPT-9804 AC 200VA AC/DC Withstanding Voltage/Insulation Resistance/Ground Bond Tester
GPT-9803 AC 200VA AC/DC Withstanding Voltage/Insulation Resistance Tester
GPT-9802 AC 200VA AC/DC Withstanding Voltage Tester
GPT-9801 AC 200VA AC Withstanding Voltage Tester

ACCESSORIES

Quick Start Guide x 1, Power cord x 1, CDx1 (complete user manual), Interlock Key x 1,
 Remote terminal male plug x 1, Test lead GHT-114 x 1 for GPT-9803/9802/9801,
 Test lead GHT-114 x 1, CTL-115 x 1 for GPT-9804

OPTIONAL

Opt.1 GPIB card

OPTIONAL ASSESSORIES

GHT-113 High Voltage Test Pistol
GHT-205 High Voltage Test Probe
GTL-232 RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer
GTL-247 USB Cable, A-A type, approx. 1.8m
GTL-248 GPIB Cable, approx. 2m
GRA-402 RACK Adapter Panel (19", 4U)

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