

GENERAL POLYTRONIC SYSTEMS LTD.
GPS-98

Professional Auto-ranging PC Interface DMM


CAT III 1000V

The GPS-98 is the preferred model for a large number of professionals. It is perfectly suited to many electronic applications and, with the RS-232 cable and Windows compatible software, users can collect, display, plot and save data.

• Features

- Oversized high contrast 4000 counts backlight LCD Display
- Safety Warning LCD-Annunciator
- Optically isolated PC interface
- Data Hold
- Auto Power Off
- Overload protection

• Safety Conformance

- EN61010-1, CATIII 1000V
- Input Warning: Audible and visual alerts if test lead connections do not match function selected



EMC & LVD
 EN: 61326
 EN: 61010-1, EN: 61010-02-031



GPS-98

Professional Auto-ranging PC Interface DMM

Specifications

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0mV	0.1mV	$\pm 0.5\%$ of rdg ± 2 dgts
4.000V	1mV	$\pm 1.2\%$ of rdg ± 2 dgts
40.00V	10mV	
400.0V	100mV	
1000V	1V	$\pm 1.5\%$ of rdg ± 2 dgts

AC Voltage (Auto-ranging except 400mV)

Range	Resolution	Accuracy
400.0mV	0.1mV	$\pm 2.0\%$ of rdg ± 30 dgts
4.000V	1mV	$\pm 0.8\%$ of rdg ± 3 dgts
40.00V	10mV	
400.0V	100mV	
750V	1V	$\pm 2.0\%$ of rdg ± 4 dgts

DC Current (Auto-ranging for μ A and mA)

Range	Resolution	Accuracy
400.0 μ A	0.1 μ A	$\pm 1.5\%$ of rdg ± 3 dgts
4000 μ A	1 μ A	
40.00mA	10 μ A	
400.0mA	100 μ A	$\pm 2.5\%$ of rdg ± 5 dgts
20A	10mA	

AC Current (Auto-ranging for μ A and mA)

Range	Resolution	Accuracy
400.0 μ A	0.1 μ A	$\pm 1.8\%$ of rdg ± 5 dgts
4000 μ A	1 μ A	
40.00mA	10 μ A	
400.0mA	100 μ A	$\pm 3.0\%$ of rdg ± 7 dgts
20A	10mA	

Resistance (Auto-ranging)

Range	Resolution	Accuracy
400.0 Ω	0.1 Ω	$\pm 1.2\%$ of rdg ± 4 dgts
4.000k Ω	1 Ω	$\pm 1.0\%$ of rdg ± 2 dgts
40.00k Ω	10 Ω	
400.0k Ω	100 Ω	
4.000M Ω	1k Ω	$\pm 2.0\%$ of rdg ± 3 dgts
40.00M Ω	10k Ω	

Capacitance (Auto-ranging)

Range	Resolution	Accuracy
40.00nF	10pF	$\pm 5.0\%$ of rdg ± 7 dgts
400.0nF	0.1nF	$\pm 3.5\%$ of rdg ± 5 dgts
4.000 μ F	1nF	
40.00 μ F	10nF	
100.0 μ F	0.1 μ F	$\pm 5.0\%$ of rdg ± 5 dgts

Frequency (Auto-ranging)

Range	Resolution	Accuracy	Sensitivity
9.999Hz	0.001Hz	$\pm 1.2\%$ of rdg ± 5 dgts	0.5V RMS min.
99.99Hz	0.01Hz	$\pm 1.2\%$ of rdg ± 3 dgts	
999.9Hz	0.1Hz		0.8V RMS min.
9.999kHz	1Hz		
99.99kHz	10Hz	8.0V RMS min.	
999.9kHz	100Hz		$\pm 1.5\%$ of rdg ± 4 dgts
9.999MHz	1kHz		

Duty Cycle

Range	Resolution	Accuracy
0.1%~99.9%	0.1%	$\pm 1.2\%$ of rdg ± 2 dgts

Temperature (Auto-ranging)

Range	Resolution	Accuracy
-20 $^{\circ}$ C~+1000 $^{\circ}$ C	0.1 $^{\circ}$ C/ $^{\circ}$ F	$\pm 3\%$ of rdg $\pm 2^{\circ}$ C/ $^{\circ}$ F
-4 $^{\circ}$ F~+1832 $^{\circ}$ F	0.1 $^{\circ}$ F/ $^{\circ}$ F	

Diode Test

Test current	Resolution	Accuracy
0.3mA typical	1 mV	$\pm 10\%$ of rdg ± 5 dgts

Size (HxWxD): 197mm x 88.4mm x 41.2mm

Weight: 635g

• Accessories:

Rubber holster, Test leads, K-type temperature probe, 9V battery, RS-232 PC cable and Software diskette, Gift box with carrying case.

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