

## GPT-9600 Specifications

The specifications apply when the GPT-9600 is powered on for at least 30 minutes under +15°C~+35°C.



Model \ Func.	AC WITHSTANDING	DC WITHSTANDING	INSULATION RESISTANCE
GPT-9603	✓	✓	✓
GPT-9612	✓	×	✓
GPT-9602	✓	✓	×
GPT-9601	✓	×	×

<b>AC WITHSTANDING</b>	
Output-Voltage Range	0.10kV~ 5.00kV ac
Output-Voltage Resolution	10V
Output-Voltage Accuracy	± (1.5% of setting + 2 counts) with no load
Maximum Rated Load	100 VA (5kV/20mA)
Maximum Rated Current	20mA (0.5kV < V ≤ 5kV) 5mA (0.1kV ≤ V ≤ 0.5kV)
Output-Voltage Waveform	Sine wave
Output-Voltage Frequency	50 Hz / 60 Hz selectable
Voltage regulation	± (1.5% + 2 counts) [full load → no load]
Voltmeter Accuracy	± (1.5% of reading + 2 counts)
Current Measurement Range	0.01mA~20.0mA
Current Best Resolution	0.01mA / 0.1mA
Current Measurement Accuracy	±(2.0% of reading + 10 counts) when HISET < 1.00mA ±(2.0% of reading + 3 counts) when HISET ≥ 1.00mA
Current Judgment Accuracy	±(3.0% of setting + 10 counts) when HISET < 1.00mA ±(3.0% of setting + 3 counts) when HISET ≥ 1.00mA
Window Comparator Method	Yes
ARC Detect	Yes
RAMP (Ramp-Up Time)	0.1s fixed
TIMER (Test Time)	OFF, 1s~180s
GND	ON
<b>DC WITHSTANDING</b>	
Output-Voltage Range	0.10kV~ 6.00kV dc
Output-Voltage Resolution	10V
Output-Voltage Accuracy	± (1.5% of setting + 2 counts) with no load
Maximum Rated Load	25W (5kV/5mA)
Maximum Rated Current	6mA (0.5kV < V ≤ 6kV) 2mA (0.1kV ≤ V ≤ 0.5kV)
Voltage regulation	± (1.5% + 2 counts) [full load → no load]
Voltmeter Accuracy	± (1.5% of reading + 2 counts)

Current Measurement Range	0.01mA~6.00mA		
Current Best Resolution	0.01mA		
Current Measurement Accuracy	$\pm(2.0\%$ of reading + 10 counts) when HISET < 1.00mA $\pm(2.0\%$ of reading + 3 counts) when HISET $\geq$ 1.00mA		
Current Judgment Accuracy	$\pm(3.0\%$ of setting + 10 counts) when HISET < 1.00mA $\pm(3.0\%$ of setting + 3 counts) when HISET $\geq$ 1.00mA		
Window Comparator Method	Yes		
ARC Detect	Yes		
RAMP (Ramp-Up Time)	0.1s fixed		
TIMER (Test Time)	OFF, 1s~180s		
GND	ON		
<b>INSULATION RESISITANCE</b>			
Output-Voltage	50V, 100V, 250V, 500V, 1000V dc		
Output-Voltage Accuracy	$\pm(3.0\%$ of setting + 1 count) [no load]		
Resistance Measurement Range	1M $\Omega$ ~ 2000 M $\Omega$		
	Test voltage	Measurable Range	Accuracy
	50V/100V/250V	1~ 50 M $\Omega$	$\pm(5\%$ of reading + 2M $\Omega$ )
		51~ 2000 M $\Omega$	$\pm(10\%$ of reading + 2M $\Omega$ )
	500V/1000V	1~ 500 M $\Omega$	$\pm(5\%$ of reading + 2M $\Omega$ )
		501~ 2000 M $\Omega$	$\pm(10\%$ of reading + 2M $\Omega$ )
Window Comparator Method	Yes		
Output Impedance	600 k $\Omega$		
RAMP (Ramp-Up Time)	0.1s fixed		
TIMER (Test Time)	OFF, 1s~180s		
GND	OFF (fixed)		
<b>TEST MODE*</b>			
SINGLE	ACW, DCW, IR		
AUTO	AC-IR, IR-AC, DC-IR, IR-DC		
<b>INTERFACE</b>			
Remote Terminal (Front)	Standard		
SIGNAL IO	Standard		
<b>GENERAL</b>			
Display	240 x 48 Ice Blue dot matrix LCD		
Power Source	AC 100V-120V/220V-240V $\pm 10\%$ , 50/60Hz		
Power Consumption	400VA max.		
Dimensions & Weight	330(W) x 148(H) x 385(D) mm approx.9kg(Max)		

\* The available "Test Mode" depends on selected model