

GPT-9500 Specifications

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

GPT-9500 (Front)



GPT-9500 (Rear)



Model \ Func.	Channel Status	AC Withstanding	DC Withstanding	Insulation Resistance	Continuity
GPT-9503	H or X	√	√	√	√
GPT-9513	H or L or X	√	√	√	√

X : means "no-used"

AC Withstanding	
Output-Voltage Range	0.050kV~5.000kV
Output-Voltage Resolution	1V
Output-Voltage Accuracy	± (1% of setting + 5V) [no load]
Maximum Rated Load	150 VA (5kV/30mA)
Maximum Rated Current	30mA 0.001mA ~ 10mA (0.05kV ≤ V ≤ 0.5kV) 0.001mA ~ 30mA (0.5kV < V ≤ 5kV)
Output-Voltage Waveform	Sine wave
Voltage Regulation	± (1% + 5V) [maximum rated load → no load]
Output-Voltage Frequency	50 Hz / 60 Hz selectable
Voltmeter Accuracy	± (1% of reading + 5V)
Current Measurement Range	0.001mA ~ 30.00mA
Current Best Resolution	1μA (0.001mA ~ 9.999mA) 10μA (10.00mA ~ 30.00mA)
Current Measurement Accuracy	±(1.5% of reading + 50μA)
Current Offset	80μA maximum
ARC Detect	Yes
RAMP TIME (Rise Time)	0.1s~999.9s
FALL Time	OFF~999.9s
WAIT Time	OFF~999.9s
TIMER (Test Time)	CONT ² , 0.3s~999.9s
TIMER Accuracy	± (100ppm + 20ms)
GND	ON/OFF
DC Withstanding	
Output-Voltage Range	0.050kV~6.000kV
Output-Voltage Resolution	1V
Output-Voltage Accuracy	± (1% of setting + 5V) [no load]
Maximum Rated Load	50W (5kV/10mA)
Maximum Rated Current	10mA 0.001mA ~ 2mA (0.05kV ≤ V ≤ 0.5kV) 0.001mA ~ 10mA (0.5kV < V ≤ 6kV)
Voltmeter Accuracy	± (1% of reading + 5V)

Voltage Regulation	$\pm (1\% + 5V)$ [maximum rated load \rightarrow no load]
Current Measurement Range	0.001mA ~ 10.00mA
Current Best Resolution	0.1 μ A (0.1 μ A ~ 999.9 μ A) 1 μ A (1 μ A ~ 9.999mA) 10 μ A (10.00mA)
Current Measurement Accuracy	$\pm(1\%$ of reading + 1 μ A) when I Reading < 1mA $\pm(1\%$ of reading + 10 μ A) when I Reading \geq 1mA
Current Offset	5 μ A maximum
ARC Detect	Yes
RAMP TIME (Rise Time)	0.1s~999.9s
FALL Time	OFF~999.9s
WAIT Time	OFF~999.9s
TIMER (Test Time)	CONT ² , 0.3s~999.9s
TIMER Accuracy	$\pm (100\text{ppm} + 20\text{ms})$
GND	ON/OFF
Insulation Resistance	
Output Voltage	0.050kV~1.000kV dc
Output-Voltage Resolution	1V
Output-Voltage Accuracy	$\pm (1\%$ of setting + 5V) [no load]
Resistance Measurement	0.1M Ω ~ 10G Ω
Test Voltage	Measurement Range / Accuracy
50V \leq V < 500V	0.1M Ω ~10M Ω : $\pm(5\%$ of reading + 3% of f.s.) 10.1M Ω ~50M Ω : $\pm(5\%$ of reading + 1% of f.s.) 50.1M Ω ~2G Ω : $\pm(10\%$ of reading + 1% of f.s.)
500V \leq V \leq 1000V	0.1M Ω ~10M Ω : $\pm(5\%$ of reading + 3% of f.s.) 10.1M Ω ~500M Ω : $\pm(5\%$ of reading + 1% of f.s.) 500.1M Ω ~10G Ω : $\pm(10\%$ of reading + 1% of f.s.)
Voltage Regulation	$\pm (1\% + 5V)$ [maximum rated load \rightarrow no load]
Voltmeter Accuracy	$\pm (1\%$ of reading + 5V)
Short-Circuit Current	10mA max.
Output Impedance	2k Ω
RAMP TIME (Rise Time)	0.1s~999.9s
FALL Time	OFF~999.9s
WAIT TIME	OFF~999.9s
TIMER (Test Time)*	0.3s~999.9s
TIMER Accuracy	$\pm (100\text{ppm} + 20\text{ms})$
GND	ON/OFF
Continuity Test	
Output-Current	100mA dc
Ohmmeter Measurement Accuracy	$\pm(10\%$ of reading+2 Ω), ON/OFF
Interface	
Signal I/O	Standard
RS-232C	Standard
USB (device)	Standard
USB (host)	Standard (for parameter / LCD hardcopy)
Rear Output	Scanner
DISPLAY	
	4.3" color LCD
POWER SOURCE	
	AC 100V~240V \pm 10%, 50Hz/60Hz
POWER CONSUMPTION	
	400VA max.
DIMENSION & WEIGHT	
	320(W) x 120(H) x 435(D) mm; Approx. 11kg