

Intelligent Safety Analyzer



GPT-12000 Series

AC/DC/IR/GB Electrical Safety Analyzer

- 200VA AC Test Capacity
- 7" LCD Color Display
- Capacitive Load Testing Capability Up to 47 μ F
- Controllable Ramp Up & Ramp Down Time
- Statistics Function
- Testing Time Starting From 0.3s
- Provide USB Flash Drive Storage Function
- Universal Power Input

Function Model	Output Capacity	AC	DC	IR	GB	Continuity	Rear Output
GPT-12001	200VA	✓				✓	✓
GPT-12002	200VA	✓	✓			✓	✓
GPT-12003	200VA	✓	✓	✓		✓	✓
GPT-12004	200VA	✓	✓	✓	✓	✓	✓



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SPECIFICATIONS			
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	200 VA (5kV/40mA)		
Maximum Rated Current	40mA (0.5kV< V≤ 5kV); 10mA (0.05kV≤ V ≤0.5kV)		
Output-Voltage Waveform	Sine wave		
Output-Voltage Frequency	50 Hz / 60 Hz selectable		
Voltage Regulation	±(1% + 5V) [maximum rated load -- no load]		
Voltmeter Accuracy	±(1% of reading + 5V)		
Current Measurement Range	1μA~40.00mA		
Current Best Resolution	1μA / 10μA		
Current Measurement Accuracy	±(1.5% of reading + 30μA)		
Window Comparator Method	Yes		
ARC Detect	Yes		
RAMP UP (Rise Time)	0.1s~999.9s		
RAMP DOWN (Fall Time)	0.0s~999.9s		
TIMER (Test Time)	OFF, 0.3s~999.9s		
WAIT TIME	0.0s~999.9s		
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 (0.5kV< V ≤ 6kV); 2mA (0.05kV≤ V ≤0.5kV)		
Voltage Regulation	±(1% + 5V) [maximum rated load -- no load]		
Voltmeter Accuracy	±(1% of reading + 5V)		
Current Measurement Range	1μA~10.00mA		
Current Best Resolution	0.1μA /1μA /10μA		
Current Measurement Accuracy	±(1.5% of reading + 3μA) when I Reading < 1mA ; ±(1.5% of reading + 30μA) when I Reading≥1mA		
Window Comparator Method	Yes		
ARC Detect	Yes		
RAMP UP (Rise Time)	0.1s~999.9s		
RAMP DOWN (Fall Time)	0.0s~999.9s		
TIMER (Test Time)	OFF, 0.3s~999.9s		
WAIT TIME	0.0s~999.9s		
GND	ON/OFF		
INSULATION RESISTANCE			
Output Voltage	50V~1200V dc		
Output-Voltage Resolution	50V		
Output-Voltage Accuracy	±(1% of setting + 5V) [no load]		
Resistance Measurement	Test Voltage	Display Range	Measurement Range / Accuracy
	50V≤V≤100V	0.1MΩ~10.00GΩ	0.1MΩ~1MΩ : ±(5% of reading + 3 count); 1 MΩ~50MΩ : ±(5% of reading + 1 count);
	150V≤V≤450V	0.1MΩ~20.00GΩ	51MΩ~2GΩ : ±(10% of reading + 1 count)
	500V≤V≤1200V	0.1MΩ~50.00GΩ	0.1MΩ~1MΩ : ±(5% of reading + 3 count); 1 MΩ~500MΩ : ±(5% of reading + 1 count);
			501MΩ~9.999GΩ : ±(10% of reading + 1 count); 10GΩ~50GΩ : ±(20% of reading + 1 count)
Voltage Regulation	±(1% + 5V) [maximum rated load -- no load]		
Voltmeter Accuracy	±(1% of reading + 5V)		
Short-Circuit Current	10mA max.		
Output Impedance	2kΩ		
Window Comparator Method	Yes		
RAMP UP (Rise Time)	0.1s~999.9s		
RAMP DOWN (Fall Time)	0.0s~999.9s		
TIMER (Test Time)	0.3s~999.9s		
WAIT TIME	0.0s~999.9s		
GND	ON/OFF		
GROUND BOND			
Output-Current	03.00A~32.00A ac		
Output-Current Resolution	0.01A		
Output-Current Accuracy	3A≤I≤8A : ±(1% of reading + 0.2A); 8A<I≤32A : ±(1% of reading + 0.05A)		
Test-Voltage	8Vac max (open circuit)		
Test-Voltage Frequency	50Hz/60Hz selectable		
Ohmmeter Measurement Range	1mΩ~ 650mΩ		
Ohmmeter Measurement Resolution	0.1mΩ		
Ohmmeter Measurement Accuracy	±(1% of reading + 2 mΩ)		
Window Comparator Method	Yes		
TIMER (Test Time)	0.3s~999.9s		
Test Method	Four Terminal		
GND	ON/OFF		
CONTINUITY TEST			
Output-Current	100mA dc (fixed)		
Ohmmeter Measurement Range	0.10Ω~ 90.00Ω		
Ohmmeter Measurement Resolution	0.01Ω		
Ohmmeter Measurement Accuracy	±(10% of reading + 2 mΩ)		
MEMORY			
Single Step Memory	MANU : 100 blocks		
Automatic Testing Memory	AUTO : 100 blocks, Manu per auto : 10		
INTERFACE			
Standard (Front)	REMOTE, USB host		
Standard (Rear)	Rear Output, RS-232C, USB device, SCAN terminal, Signal I/O,		
Option	GPIB		
DISPLAY			
	7" color LCD		
POWER SOURCE			
	AC 100V~240V ± 10%, 50Hz/60Hz		
DIMENSION & WEIGHT			
	380(W) x 148(H) x 454(D) mm; Approx. 15kg		

Specifications subject to change without notice. GPT-12000CD1DH



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