

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	✓	✓	✓	✓	✓	✓

NEW

7" LCD



www.gwinstek.com

GW INSTEK

Simply Reliable

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
	50V≤V≤100V	0.1MΩ~10.00GΩ
	150V≤V≤450V	0.1MΩ~20.00GΩ
	500V≤V≤1200V	0.1MΩ~50.00GΩ
		0.1MΩ~1MΩ : ±(5% of reading + 3 count); 1 MΩ~50MΩ : ±(5% of reading + 1 count); 51MΩ~2GΩ : ±(10% of reading + 1 count)
		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

Global Headquarters

GOOD WILL INSTRUMENT CO., LTD.

T +886-2-2268-0389 F +886-2-2268-0639

China Subsidiary

GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.

T +86-512-6661-7177 F +86-512-6661-7277

Malaysia Subsidiary

GOOD WILL INSTRUMENT (SEA) SDN. BHD.

T +604-6111122 F +604-6115225

Europe Subsidiary

GOOD WILL INSTRUMENT EURO B.V.

T +31(0)40-2557790 F +31(0)40-2541194

U.S.A. Subsidiary

INSTEK AMERICA CORP.

T +1-909-399-3535 F +1-909-399-0819

Japan Subsidiary

TEXIO TECHNOLOGY CORPORATION.

T +81-45-620-2305 F +81-45-534-7181

Korea Subsidiary

GOOD WILL INSTRUMENT KOREA CO., LTD.

T +82-2-3439-2205 F +82-2-3439-2207

GW INSTEK

Simply Reliable



www.gwinstek.com



www.facebook.com/GWInstek