DATENBLATT

GPT-12000-Serie

HABEN SIE FRAGEN ODER
WÜNSCHEN SIE EIN INDIVIDUELLES ANGEBOT?
Unser Team berät Sie gerne persönlich.

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Erwähnte Firmen- und Produktnamen sind zum Teil eingetragene Warenzeichen der jeweiligen Hersteller.

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 μF
- 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	✓	✓	✓	✓	✓	✓

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	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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