High Voltage Potential Insures Your Potential

GPT-15012

Electrical Safety Analyzer

- DC 12kV / IR 5kV
- Comply with IEC 61010-2-034
- 7"TFT LCD
- Manual / Auto Mode
- RMS Current Measurement
- Zero Crossing Turn-on Operation
- Controllable Ramp-up & Ramp-down Time
- Capacitive Load Testing Capability up to 47μF
- Statistics & Analysis Function
- Sweep Function for DUT Characteristic Analysis
- Internal Storage & USB Storage available
- Rear panel output available
- Interface : RS-232C, USB host/device, Signal I/O and option GPIB or LAN

GW INSTEK
Simply Reliable

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SPECIFICATIONS

Datasheet

DC WITHSTANDING	
Output-Voltage Range	0.050kV~12.00kV
Output-Voltage Resolution	1V
Output-Voltage Accuracy	± (1% of setting + 5V) [no load]
Maximum Rated Load	120W (12kV/10mA)
Maximum Rated Current	10mA (0.5kV< V ≦12kV); 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
Current Offset	5μA Maximum
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
TIMER Accuracy	±(100ppm + 20ms)
WAIT TIME	0.0s~999.9s
GND	ON/OFF
INSULATION RESISTANCE	
Output Voltage	50V~5000V dc
Output-Voltage Resolution	50V
Output-Voltage Accuracy	± (1% of setting + 5V) [no load]
Resistance Display	
Resistance Measurement	
Test Voltage	Measurement Range / Accuracy
50V≦V≦450V	0.1MΩ~1MΩ：±(5% of reading + 3 count) 1.1MΩ~50MΩ：±(5% of reading + 1 count) 50.1MΩ~2GΩ：±(10% of reading + 1 count)
500V≦V≦1200V	0.1MΩ~1MΩ：±(5% of reading + 3 count) 1.1MΩ~500MΩ：±(5% of reading + 1 count) 500.1MΩ~9.999GΩ：±(10% of reading + 1 count) 10GΩ~50GΩ：±(20% of reading + 1 count)*
1250V≦V≦5000V	0.1MΩ~1MΩ：±(5% of reading + 3 count) 1.1MΩ~500MΩ：±(5% of reading + 1 count) 500.1MΩ~9.999GΩ：±(10% of reading + 1 count) 10GΩ~50GΩ：±(15% 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)	OFF, 0.3s~999.9s
TIMER Accuracy	±(100ppm + 20ms)
WAIT TIME	0.0s~999.9s
GND	ON/OFF
MEMORY	
Single Step Memory	MANU：100 blocks
Automatic Testing Memory	AUTO：100 blocks, manu per auto：10
INTERFACE	
Front Panel	USB host, REMOTE
Rear Panel	RS-232C, USB device, Signal I/O, Rear Output
Option	GPIB, LAN
DISPLAY	
	7” color LCD
POWER SOURCE	
	AC 100V~240V ± 10%, 50Hz/60Hz; Power consumption : 400VA max.
DIMENSION & WEIGHT	
	380(W) x 148(H) x 492(D) mm; Approx. 9.8kg

* : Detail refers to user manual

Specifications subject to change without notice.

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