Features

- DC 12kV Output
- 7” TFT LCD
- Comply with IEC 61010-2-034 design requirement
- Manual / Auto Mode
- RMS Current Measurement
- Zero Crossing Turn-on Operation
- Controllable Ramp-up & Ramp-down Time
- Statistics & Analysis Function
- Capacitive Load Testing Capability up to 47µF
- Sweep Function for DUT Characteristic Analysis
- Convenience Listed AUTO mode easy to read result and judge
- Internal Storage and USB Storage available
- Barcode function available
- Setting Data Export/Import
- Rear panel output available
- Interface : RS-232C, USB host/device, Signal I/O and option GPIB or LAN
- Universal power input

RS PRO Electrical Safety Analyzer

RS Stock No.: 0447362

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Electrical Specifications

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

** NOTE: It is required to implement GND OFFSET action when IR Ground Mode is "ON".*

1. When IR Ground Mode is "ON", 50V~1200V the maximum 30GΩ, 1250V~5000V the maximum 10GΩ measurement range is guaranteed.

2. When IR Ground Mode is "ON", test time starts from 0.5 second.

Safety Approval

Directive: EMC; LVD; WEEE; RoHS
The product is in conformity with the following standards or other normative documents:

◎ EMC	
EN 61326-1	Electrical equipment for measurement, control and laboratory use -- EMC requirements
Conducted & Radiated Emission EN 55011 / EN 55032	Electrical Fast Transients EN 61000-4-4
Current Harmonics EN 61000-3-2 / EN 61000-3-12	Surge Immunity EN 61000-4-5
Voltage Fluctuations EN 61000-3-3 / EN 61000-3-11	Conducted Susceptibility EN 61000-4-6
Electrostatic Discharge EN 61000-4-2	Power Frequency Magnetic Field EN 61000-4-8
Radiated Immunity EN 61000-4-3	Voltage Dip/ Interruption EN 61000-4-11 / EN 61000-4-34
◎ Safety	
EN 61010-1 :	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Safety Approval

0447362 DC 12kV DC/IR Electrical Safety Analyser

Included Accessories
*Power cords (UK*1 / VDE*1), Interlock key x 1*
Test lead GHT-120 x 1, Remote cable GHT-119 x1

Option
GPIB card
LAN card

Dimension