



Product Datasheet

ENGLISH

**Stock No: 123-1931, 1231931, 1231955,
1231956, 1231957, 1231958, 1231959,
1231960 & 1231961**
RS PRO DIGITAL INSULATION TESTER

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Features

Meets IEC10101, CATIII 1000V

Large dual display with backlight

Test hold function for easy operation

Over range Indication

Low Battery Indication

Measurement range(Ω): 200M/2000M

Double molded plastic housing

CAT III 1000V

1mA test current for MegOhm range at rated voltage

200mA short current for continuity range

Insulation test voltages

250V,500V,1000V

1.SPECIFICATIONS

1-1 General Information

Environment conditions:

- ① Installation CAT III 1000V
- ② Pollution Degree 2
- ③ Altitude up to 2000 meters
- ④ Indoor use only
- ⑤ Relatively humidity 80% max.
- ⑥ Operation Ambient 0~40°C


Display: Large LCD with dual display

Measurement Range: 200 Ω , 200k Ω , 200M Ω /250V, 200M Ω /500V, 2000M Ω /1000V, 750V/ACV, 1000V/DCV.

Sampling Rate: 2.5 times per second.

Zero Adjustment: Automatic adjustment.

Over Range Indicator: Number 1 of highest digit is displayed.

Low Battery Indication: The  is displayed when the battery Voltage drop below the operating voltage.

Operating Temperature: 0°C to 40°C (32°F to 104°F) and Humidity below 80% RH

Storage Temperature: -10°C to 60°C (14°F to 140°F) and Humidity below 70% RH

Power source: DC9V (6x1.5V Size "AA" battery or Equivalent)

Dimensions: 200(L) x 92(W) x 50(H) mm

Weight: Approx 700g include battery

Supplied Accessories: Test leads, 6pcs battery, Carrying case and User manual.

1-2 Electrical Specifications

Accuracies are specified in the way:

$\pm(\dots\%$ of reading $+\dots$ digits) at 23°C \pm 5°C, below 80% RH.

OHMS

Range	Resolution	Accuracy	Max. open Circuit Voltage	Overload Protection
200Ω	0.1Ω	±(1%+2)	4.5V	250Vrms
200kΩ	0.1kΩ		3.0V	

Continuity Beeper

Range	Resolution	Operation Resistance	Max.open Circuit Voltage	Overload Protection
•)))	0.1Ω	Resistance ≤ 40Ω	4.5V	250Vrms
Short circuit current		≤ 200mA		

DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
1000V	1V	±(0.8%+3)	10MΩ	1000Vrms

AC Voltage (40Hz~400Hz)

Range	Resolution	Accuracy	Input Impedance	Overload Protection
750V	1V	$\pm(1.2\%+10)$	10M Ω	750Vrms

Insulation Test

Range	Resolution	Accuracy	Terminal Voltage
200M Ω /250V	0.1M Ω	$\pm(3\%+5)$	250V+10%~-0%
200M Ω /500V	0.1M Ω		500V+10%~-0%
0~1000M Ω /1000V	1M Ω	$\pm(5\%+5)$	1000V+10%~-0%
1000~2000M Ω /1000V			

Range	Test Current		Short circuit current
200M Ω /250V	1mA	250K Ω (load)	$\leq 1\text{mA}$
200M Ω /500V		500K Ω (load)	
0~1000M Ω /1000V		1M Ω	
1000~2000M Ω /1000V			