

Earth Resistance Clamp Tester

RDER2000+ & RDER2100+



RDER2000+



RDER2100+

This Earth Resistance Clamp Tester is widely used in the grounding resistance measurement of the power, telecommunications, meteorology, oilfield, construction and the industrial and electrical equipment. In the measurement of a grounding system with loop, does not require breaking down the grounding down lead, and no need the auxiliary electrode. It is safe, fast and simple in use. The Earth Resistance Clamp Tester can measure ground faults which cannot be measured by traditional methods. It can be used in applications where traditional methods cannot be measured, because the RDER series Earth Resistance Clamp Tester measures the combined value of grounding body resistance and grounding lead resistance.



Product features

1. Self-test quickly, start immediately into the test.
2. Using the most advanced processing algorithms and digital integration technology.
3. The product is light weight, more in line with characteristics of hand-held devices.
4. New design, panel operation with 6 buttons, better performance.
5. Increase sound and light alarm function, with "beep-beep-beep" alarm sound.
6. Increase the interference signal recognition indicator function, with "beep-beep-beep" indicator.
7. Measurement range: $0.01\Omega \sim 1200\Omega$
8. Stored data 99 Units. Lower power consumption, Maximum operating current less

than 50mA.



Product specifications and technical parameters

1. Technical Parameters

Picture		
Model	RDER2000+	RDER2100+
Clamp Size	65mm×32mm	Φ32mm
Tester Weight	1160g	1030g
Tester Dimension	L×W×T :285mm×85mm×56mm	L×W×T: 260mm×90mm×66mm
Function	Description	
Power Supply	6VDC 4 PCS LR6 lkalkine batteries	
LCD Size	4 Digits LCD display, Screen: 47mm×28.5mm	
Range	0.010Ω ~1200Ω	
Resolution	0.001Ω	
Accuracy	±1%±0.01Ω	
Data Storage	99 sets	
Data Upload Function	RS232 Interface (Optional)	
Auto Shutdown	Automatically power off after 5 minutes without any operate	
Power Consumption	≤50mA, continuously working for 30 hours	
Working Environment	-20℃~55℃ 20%~80%RH	
Store Environment	-20℃~60℃; below 90%RH	
Alarm Threshold Setting Range	Resistance: 1Ω~199Ω	
Audible and Visible Alarm	"Beep-beep-beep" alarm sound, alarm symbol flashing, pressALkey to turn on/off and setting	
Interference Signal Recognition	"Beep-beep-beep" indicator, NOISE symbol blinking	

Protection Level	Double insulation
Structural Feature	Clamp CT
Shift	Automatic shift
External Magnetic Field	<40A/m
External Electrical Field	<1V/m
Single Measurement Time	0.5 second
Resistance Measurement Frequency	>1KHz
Measured Current Frequency	50/60Hz Automatic
Low Battery Voltage Indicator	When the battery voltage is lower than 5.3V, the low battery voltage symbol is displayed
Storage Full Indication	Storage data full of 99 sets, flashed display "MEM" symbol
Over Range Indication	Exceed range indication "OLΩ", "L0.01" or "OL A"

2. Measurement Range & Accuracy

Model	RDER2000+& RDER2100+		
Measurement	Range	Resolution	Accuracy
Resistance	0.010Ω ~ 0.099Ω	0.001Ω	±(1%rdg+0.01Ω)
	0.10Ω ~ 0.99Ω	0.01Ω	±(1%rdg+0.01Ω)
	1.0Ω ~ 49.9Ω	0.1Ω	±(1%rdg+0.1Ω)
	50.0Ω ~ 99.5Ω	0.5Ω	±(1.5%rdg+0.5Ω)
	100Ω ~ 199Ω	1Ω	±(2%rdg+1Ω)
	200Ω ~ 395Ω	5Ω	±(5%rdg+5Ω)
	400Ω ~ 590Ω	10Ω	±(10%rdg+10Ω)
	600Ω ~ 880Ω	20Ω	±(20%rdg+20Ω)
	900Ω ~ 1200Ω	30Ω	±(25%rdg+30Ω)



Related Products



RDER2000+



RDER2000A+



RDER2000C+



RDER2100+



RDER2100A+



RDER2100C+



Rui Du Mechanical and electrical (Shanghai) Co., Ltd



TEL: +86-021-68769756

Contact: Nico Zhou

Position: Sales Manager

Email: sales@hvtesters.com

Website: www.hvtesters.com

Mob/ WhatsApp:

+86-136 6190 8522