

Product Function

Earth resistance measurement, loop resistance measurement.

Product features

1. A major breakthrough in earth resistance measurement technology, non-contact measurement safe and fast.
2. When measuring the loop earth system, no need to disconnect the grounding down leads, and no need add auxiliary electrode, which is saving time and more effective.
3. Clamp Earth Resistance Tester can measure the grounding fault which can't be measured by traditional method, and applied to the situation where traditional methods cannot measure.
4. Have functions of audible and visible alarm, data storage, data hold.

**Technical Specification**

Model	EM2100	EM2100A	EM2100C
Resistance Range	0.010Ω~1000Ω	0.010Ω~200Ω	0.010Ω~1000Ω
Current Range	--	--	0.00mA ~30.0A
Resistance Accuracy (23°C±5°C, 75%RH)	Range	Resolution	Accuracy
	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)
	400~590Ω	10Ω	±(10%rdg+10Ω)
	600Ω~1000Ω	20Ω	±(20%rdg+20Ω)
Current Accuracy (23°C±5°C, 75%RH) (Only C type)	0.00mA ~9.95mA	0.05mA	±(2.5% + 1mA)
	10.0mA ~99.0mA	0.1mA	±(2.5% + 5mA)
	100mA ~300mA	1mA	±(2.5% + 10mA)
	0.30A~2.99A	0.01A	±(2.5% + 0.1A)
	3.0A~9.9A	0.1 A	±(2.5% + 0.3A)
	10.0A~19.9A	0.1 A	±(2.5% + 0.5A)
	20.0A~30.0A	0.1 A	±(3% + 1A)
Clamp Jaw Size	Φ32mm		
Tester Dimension	260mm(L)X105mm(W)X60mm(H)		
Weight	Appx. 1.54kg (include accessories)		
Power Supply	DC6V Alkaline dry battery (LR6 1.5VX4PCS)		
Single Measurement Time	0.5s		
LCD Screen	4 Digits LCD display: 47mm(L)X28.5mm(W)		
Data Storage	99 Groups		
Audible & Visual Alarm	"Du-du-du"alarm sound		
Alarm Threshold Setting	Resistance: 1~199Ω; Current: 1~499mA(only C type)		
Clamp Jaw Open Size	32mm		
Protection Level	Double insulation		
Shift	Automatically		
Accessories	Meter: 1PCS; Test Ring: 1PCS; LR6 battery: 4PCS; Case: 1PCS		