

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	ETCR2100+	ETCR2100A+	ETCR2100C+
Resistance Range	0.010Ω~1200Ω	0.010Ω~200Ω	0.010Ω~1200Ω
Current Range	--	--	0.00mA ~20.0A
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~880Ω	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)X90mm(W)X66mm(H)		
Weight	About 2.3kg(include accessories)		
Power Supply	6V DC(Alkaline dry battery LR6X4PCS)		
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, press AL key to turn on/off		
Alarm Threshold Setting	Resistance:1~199Ω;Current:1~499mA(only C type)		
Working Temperature & Humidity	-10°C~55°C; 10%~90% RH		
Protection Level	Double insulation		
Shift	Automatically		
USB Interface	Optional(extra)		
Accessories	Meter: 1PCS; Test Ring: 1PCS; Case: 1PCS		