

Wuhan ETCR 2000 Earth Clamp Meter



I. Introduction

ETCR2000 series Earth Ground Clamp Meter is a major technological breakthrough in traditional grounding resistance measurement. It is widely used in the grounding resistance measurement of electric power, telecommunications, meteorology, oilfield, construction and the industrial and electrical equipment.

ETCR2000 series Earth Ground Clamp Meter, in the measurement of a grounding system with loop current, does not require disconnecting the grounding wire, and need no auxiliary electrode. It is safe, fast and simple in use.

ETCR2000 series Earth Ground Clamp Meter can measure out the faults beyond the reach of the traditional methods, and can be applied in the occasions not in the range of the traditional methods. ETCR2000 series Earth Ground Clamp Meter can measure the integrated value of the grounding body resistance and the grounding lead resistance.

ETCR2000 series Earth Ground Clamp Meter are equipped with either a long jaw or a round jaw, as indicated in the figure below. A long jaw is particularly suitable for the occasion of grounding with the flat steel.

In addition, ETCR2000C Earth Ground Clamp Meter is also able to measure the leakage current and the neutral current in the grounding system.

II. Features

1. Applies to all kinds of ground lead. (Round bar, flat bar, angle iron)
2. Non-contact measured resistance, safe, fast.
3. Need not use assistant ground rod.
4. with double protecting insulation.
5. with strong anti-interference ability and high accuracy.
6. Use dry batteries, convenient for customers.

III. Parameters

Power Source	6VDC (4 x5# alkaline battery)	
Temperature	-10°C~55°C	
Relative humidity	10%~90%	
LCD display	4-digital LCD : 47×28.5mm ²	
Span of Jaw	32mm	
Weight (battery included)	Long jaw 1160g ; round jaw 1120g	
Jaw size	Long jaw	285mm*85mm*56mm
	Round jaw	260mm*90mm*66mm
Explosion-proof mark	Exia II BT3 (Explosion-proof Certificate number : CE0802010)	
Protection Level	Double insulation	
Structural Feature	In the jaw way	
Shift	Automatic	
External Magnetic Field	<40A/m	
External Electric Field	<1V/m	
Each measuring time	1 second	
Resistance Measurement Frequency	>1KHz	
Maximum Resistance Measurement Resolution	0.001Ω	
Resistance Measurement Range	0.01~1000Ω	
*Current Measurement Range	0~20A	
* Measured Current Frequency	50/60Hz	
* Storable Measurement Data	99組	
*Setting Range of Resistance Alarm Critical Value	1~199Ω	
*Setting Range of Current Alarm Critical Value	1~499mA	
Dimension	350*200*100mm ³	
Weight	2kg	