

# ETCR<sup>®</sup> EM3700C Intelligent Equipotential Connection Resistance Tester



## Product Function

Apply to equipotential connection resistance testing between metal components, the transformer windings DC impedance testing. Measurement of DC low value resistance, contact resistance, riveting resistance, wire length, etc.

## Product features

1. Adopt with precision 4-wire method to measurement which is more accurate.
2. With waterproof protection case, which is waterproof, anti-collision, and anti-drop and durable. It equip with large-capacity rechargeable lithium battery, which is especially suitable for outdoor construction sites.
3. Large LCD display, bar graph indication, viewing clear and obvious. With Alarm function, clock function, storage function, data upload function.

## Technical Specification

<b>Power Supply</b>	DC 7.4V 2600mAh, rechargeable lithium battery			
<b>Range</b>	1mΩ~30.0kΩ			
<b>Measurement Accuracy</b>	<b>Gears</b>	<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
	0.3Ω	1mΩ~300mΩ	±1%rdg±10dgt	0.1mΩ
	3Ω	300m Ω~3000mΩ		1mΩ
	30Ω	3.000Ω~30.00Ω		0.01Ω
	300Ω	30.0Ω~300.0Ω		0.1Ω
	3kΩ	300Ω~3000Ω		1Ω
30kΩ	30.00kΩ~30.00kΩ	0.01kΩ		
<b>MAX Test Current</b>	4A			
<b>Detection Mode</b>	Precision 4-wire method, 2 channel A/D simultaneous detection			
<b>Data Storage</b>	400 groups (Power down or replace battery will not lose the data)			
<b>Alarm Setting</b>	Alarm critical value setting range; 1Ω~30Ω, 00Ω is not start the alarm function. Will not start the alarm function in start up every time			
<b>Charge Indication</b>	When charging, the charger indicator lamp light on red, full charge light on green			
<b>Overflow Indication</b>	Over range overflow function: "OL" symbol display			
<b>Data Hold</b>	The test result is kept to display automatically after each testing			
<b>Test Lines</b>	4PCS: Each 2PCS of red and black, each line length 5m			
<b>Clock Function</b>	With 24-hour time system, display hour, minute			
<b>Display Mode</b>	LCD: 128mmX75mm; LCD Display area: 124X67mm			
<b>Host Dimension</b>	280mmX260mmX160mm			
<b>Weight</b>	About 2.3kg			
<b>Low Voltage Indication</b>	When battery voltage drops to DC 7.2V±0.1V, low battery voltage symbol will display and remind to charge in time			
<b>USB Interface</b>	With USB interface, software monitoring, storage data can be uploaded to computer, save and print.			
<b>Protection Level</b>	IP65			
<b>Working Temperature</b>	-10°C~40°C; below 80%RH			
<b>Accessories</b>	Tester: 1PCS; Test lines: 4PCS; USB communication cable: 1PCS; Special charger: 1PCS; Tool bag: 1PCS; Pen probe: 2PCS			