



EK-C300 Digital Earth Resistance Tester

Product Function

Precision 3-wire and simple 2-wire method earth resistance measurement, voltage to earth measurement.

Product Features

1. With unique function of line resistance calibration, anti-interference capability and Environment adaptability, which can be more accurate for earth resistance measurement.
2. The host equipped with super large LCD, with white backlight and bar graph indication which can read clearly and obvious.
3. Alarm function, data storage function.



Technical Specification

Earth Resistance	Range:0.01Ω~2000Ω	Resolution:0.01Ω	Accuracy:±2%rdg±3dgt
Earth Voltage	Range:0V~600V AC	Resolution:1V	Accuracy:±2%rdg±3dgt
Power Supply	DC 9V (Alkaline dry battery LR14 1.5VX6 PCS)		
Measurement Method	Earth resistance: rated current change-pole method, test current 20mA Max; Voltage to earth: average value rectification method		
Test Frequency	128Hz		
Test Current	>20mA(Sine wave)		
Measurement Times	Over 5000 times (20Ω range measuring 10Ω, measurement one time should stop about 25 seconds and then retest)		
Measurement Time	Voltage to earth: 3 times/second; Earth resistance: 15 seconds/time		
Data Storage	400 groups , flashes display "FULL" symbol indicate the storage is full		
Data Hold	Data hold function : "HOLD" symbol display		
Data Access	Data access function: "READ" symbol display		
Overflow Indication	Over range overflow function: "OL" symbol display		
Line Resistance Calibration	Avoid errors caused by the test line not fully inserted into the tester interface or poor contact or the user replaces the lengthened test line, ensure earth resistance measurement accurate		
Alarm Function	The measured value exceed alarm setting value, LCD will display " " and alarm		
Automatic Shutdown	10 minutes without any operation after starting up, the tester will shutdown automatically		
Battery Voltage	While battery voltage drop to around 7.8V, low battery voltage symbol " " will display, and remind to replace the battery		
Overload Protection	Earth resistance: between each terminal of E-P,E-C, AC 280V/3 seconds		
Electromagnetic Property	IEC61010-4-3,Wireless frequency electromagnetic fields≤1V/m		
Working Current	Backlight:25mA Max; standby: 25mA Max(Backlight off); Measurement:70mA Max(Backlight off)		
Meter Dimension	212mm(L)X175mm(W)X85mm(H)		
Meter Weight	About 3.18kg(include accessories)		
Accessories	Tester:1PC; Ground stake:2PCS; Testing line:3PCS; Simple test line:1PCS; Tool bag:1PCS; LR14 battery: 6PCS		

