



EK-C304 Digital Earth Resistance Tester

Product Function

2-wire method and 3-wire method earth resistance measurement, earth voltage measurement, AC and DC voltage measurement.

Product Features

1. The tester body is light, easy to carry and operate.
2. With the function of judging the auxiliary grounding pile, the tester can display the resistance value of the auxiliary grounding pile in testing, which can avoid the error caused by the excessive earth resistance of the auxiliary ground pile.
3. With line resistance calibration function, which can avoid the error caused by the test line not being fully inserted or poor contact. It makes the measurement of low earth resistance more accurate and reliable in the site.
4. Earth voltage measurement function.



Technical Specification

Power Supply	DC9V, Alkaline dry battery (LR6 1.5V X 6PCS)
Display Screen	LCD display area: 58mmX46mm
Measurement Method	Earth resistance: rated current change-pole method, AC/DC voltage: RMS value collection
Earth Resistance Measurement	Range: 0.1Ω~2000Ω
	Resolution: 0.01Ω
	Accuracy: $\pm 2\%rdg \pm 3dgt$
Earth Voltage Measurement	Range: 0.0V ~ 300V AC/DC
	Resolution: 0.1V
	Accuracy: $\pm 2\%rdg \pm 3dgt$
Test Current	>20mA(sine wave)
Test Indicator	TESTING indicator lights up, indicates that earth resistance is being tested
Auxiliary Grounding Alarm	R P(S) R C(H) OK indicator lights up, avoids errors caused by excessive grounding resistance of the auxiliary grounding electrode.
AC/ DC Voltage Alarm	When the voltage is greater than 36V, the Live circuit indicator light will flash and the buzzer will sound an alarm.
Line Resistance Calibration	Avoid errors caused by the test line not fully inserted into the tester interface or poor contact or the user replacing the lengthened test line, ensures earth resistance measurement is accurate
Measurement Time	Earth resistance: 5 seconds/time; Voltage to earth: 2 times/second;
Automatic Shutdown	10 minutes without any operation, the tester will shutdown automatically
Battery Voltage	While battery voltage drops to around 7.2V, low battery voltage symbol "  " will flash display, and remind to replace the battery
Overload Protection	Earth resistance: between each interface of E-P, E-C , AC 280V/3 seconds
Electromagnetic Property	IEC61010-4-3, wireless frequency electromagnetic fields 1V/m
Working Current	Backlight: 56mA Max; Standby: 20mA Max(Backlight off); Measurement: 200mA Max(Backlight off)
Meter Dimension	183mm(L)X89mm(W)X56mm(H)
Meter Weight	Total weight: Approx. 2.4kg (include accessories)
Accessories	Tester: 1PCS; Auxiliary Grounding Rod: 2PCS; Test line: 3PCS; Simple test line: 1PCS; LR6 battery: 6PCS; Tool bag: 1PCS

