



## GDCR3000 Portable Earth Resistance Tester



### Product Description

GDCR3000 Earth Resistance Tester is ideal equipment for measuring earth resistance. It adopts micro processing technology, 3 lines or 2 lines method of measurement, good anti-jamming, stable and reliable.

### Specifications

Functions	Earth resistance measurement, earth voltage measurement, Low resistance measurement
Power supply	DC 9V (Zn-Mn dry battery R14S 1.5V 6 pieces, Continuous 300 hrs )

Methods of Measurement	Earth resistance :Rated current pole changing method; test current : 3mA Max, 820Hz; Earth voltage : Average rectifier
Display model	4 digital LCD display,Blue-screen backlight
Indicator light	LED indicator flash during test,LCD count down display
LCD dimension	124mm×67mm
Dimension	<p>1. Instrument -- 215mm×190mm×95mm,1443g( included battery)</p> <p>2. Test leads -- 1.6m*2pieces , 20m*1 piece , 10m*1 piece , 5m* 1 piece , 847g</p> <p>3. Ground rop-- <math>\phi</math>10mm×150mm*2pieces , <math>\phi</math>10mm×150mm ,468g</p> <p>4. Carrying bag: 915g</p>
Earth Resistance	Test Range: 0.01 $\Omega$ ~20 $\Omega$ ( resolution--0.01 $\Omega$ ) ,0.1 $\Omega$ ~200 $\Omega$ ( resolution --0.1 $\Omega$ ),1 $\Omega$ ~2000 $\Omega$ ( resolution --1 $\Omega$ ) ; accuracy : $\pm$ 1%reading $\pm$ 3dgt
Earth Voltage	AC 0~600V ; accuracy : $\pm$ 1%reading $\pm$ 3dgt
Test time	Earth voltage:about 3 times/second ; earth resistance:about 5 second/time
Measure times	Above 5000 times
Line voltage	Earth voltage:measure below AC 600V
RS232 connector	RS232 connector,Software monitoring,stored data can be uploaded to PC , storage and printed.

Communication cable	RS232 ,1.5m * 1 piece
Working condition	-10°C~40°C;below 80%rh
Storage condition	-20°C~60°C;below 70%rh
Over-load protection	Measurement of earth resistance:E-P,E-C ; AC 280V/ 3 secs
Insulation resistance	Above 10MΩ(between circuit and the shell , 500V)
Withstand voltage	AC 3700V/rms(between circuit and the shell)
Electromagnetic property	IEC61010-4-3,electromagnetic field≤1V/m
Standards	IEC61010-1 , IEC1010-2-31 , IEC61557-1,5, IEC60529(IP54)