



### Product Function

Online monitoring of earth resistance, earth voltage.

### Product Features

1. Using precision 3-wire or simple 2-wire measurement method to test the earth resistance. Adopt with average value rectification method to test earth voltage, online detection, real-time monitoring.
2. User can communication with RS485, according the protocol MODBUS to secondary development, build network, realize remote multipoint online monitoring etc.
3. Equip with LCD screen, can observe the earth resistance value at any time.
4. Audible and visible alarm indication, can setting the alarm thresholds, and setting the automatic monitoring record interval time.
5. User can choose the 4-wire measurement method, which can be used for soil resistivity test calculation.

### Technical Specification

<b>Power Supply</b>	Standard: 12V ± 1VDC, 400mA Max. Optional: 24V ± 1VDC (external supply)		
<b>Earth Resistance</b>	<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
	0.01Ω~20Ω	±2%rdg±3dgt (auxiliary earth resistance 100Ω±5%, voltage to earth<10V)	0.01Ω
	0.1Ω~200Ω		0.1Ω
1Ω~2000Ω	1Ω		
<b>Ground Voltage</b>	0~600V AC	±2%rdg±3dgt	1V
<b>Measure Mode</b>	Precise 3-wire measurement, simple 2-wire measurement		
<b>Measure Method</b>	Earth resistance: rated current change-pole method, measured current 11mA Max, 128Hz; Voltage to earth: average value rectification method		
<b>Weight</b>	Detector: 450g		
<b>Dimension</b>	190mmX117mmX54mm		
<b>LCD Size</b>	128mmX75mm; Display area: 124mmX67mm		
<b>Measurement Time</b>	Voltage to earth: about 2 times/second; earth resistance: about 30 seconds/time		
<b>Measurement Rate</b>	Over 10000 times		
<b>Monitoring Interval Time</b>	Setting range of automatic monitoring interval time: 1~999 h		
<b>Detector Interface</b>	Pluggable terminal blocks: 9 pin terminal		
<b>Communication Mode</b>	RS485		
<b>Data Storage</b>	400 groups , flash display "FULL" symbol indicate storage is full		
<b>Data Access</b>	Data access function: "READ" symbol display		
<b>Overflow Display</b>	Overrange overflow function: "OL" symbol display		
<b>Alarm</b>	Audible and visible alarm		
<b>Power Supply Voltage</b>	When power supply voltage lower than 10V, power voltage low symbol will display, and remind to replace the power		
<b>Overload Protection</b>	When measurement earth resistance: E-P, E-C between each interfaces AC 280V/3 seconds		
<b>Electromagnetic Property</b>	IEC61010-4-3,Wireless frequency electromagnetic field ≤ 1V/m		
<b>Line Voltage</b>	Measuring the voltage to earth: Below AC 600V		
<b>Accessories</b>	Detector: 1PCS; 9P terminal block: 1PCS		