



PRODUCT FUNCTION

- Online monitoring of the earth resistance, earth voltage.

PRODUCT FEATURES

- Precision 3-wire or simple 2-wire method to measure earth resistance, average value rectification method to test earth voltage, on-line detection and real time monitoring.
- The detector support RS485 communication and 4G communication modules (UDP report format), connect to the user's computer to remote real-time monitoring.
- Equipped with LCD screen, can observe the earth resistance value at any time.
- The detector equipped with DIN rail mounting structure, which is particularly convenient to installation.
- User can measurement with 4-wire method, which can be used for soil resistivity test calculation.

TECHNICAL SPECIFICATION



Power Supply	Standard: 12V ± 1VDC, 400mA Max. (external supply)		
LCD Size	47mm x 28.5mm		
	Range	Accuracy	Resolution
Earth Resistance	0.01Ω ~ 20Ω	± 2%rdg ± 3dgt	0.01Ω
	0.1Ω ~ 200Ω	(auxiliary earth resistance 100Ω ± 5 %, voltage to earth < 10V)	0.1Ω
	1Ω ~ 2000Ω		1Ω
Earth Voltage	0 ~ 600V AC	± 2 % rdg ± 3dgt	1V
Measure Mode	Precise 3-wire measurement ,simple 2-wire measurement		
Measure Method	Earth resistance: rated current change-pole method, measured current 11mA Max, 128Hz; voltage to ground: average value rectification method		
Measurement Time	Voltage to earth: approx. 2 times/sec; Earth resistance: approx.t 30 sec/time		
Measurement Rate	Over 10000 times		
Monitoring Interval Time	Setting range of automatic monitoring interval time: 1 ~ 999 h		
Instrument Interface	Pluggable terminal blocks: 9 pin terminal block		
Communication Mode	RS485 (Support MODBUS protocol) or 4G communication moudle (UDP report format)		
Data Storage	99 groups, flash display "99" symbol indicate storage is full		
Data Access	Data access function : "READ" symbol display		
Overflow Display	Overrange overflow function: "OL" symbol display		
Alarm Indication	Audible & visible alarm		
Power Voltage	When power voltage lower than 10V, power voltage low symbol will display		
Overload Protection	When measurement earth resistance: Between E-P , E-C each interfaces AC 280V / 3 sec		
Electromagnetic Property	IEC61010-4-3,Wireless frequency electromagnetic field ≤ 1V / m		
Line Voltage	Measuring the voltage to earth: Below AC 600V		
Weight	Approx. 380g		
Detector Dimension	130mm x 90mm x 54mm		

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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.

ETCR METER[®]

GUANGDONG ETCR ELECTRONIC TECHNOLOGY CO.,LTD.

Accessories	Detector*1PC; Built-in 4G communication module+ external antenna*1PC; 9P terminal block*1PC
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