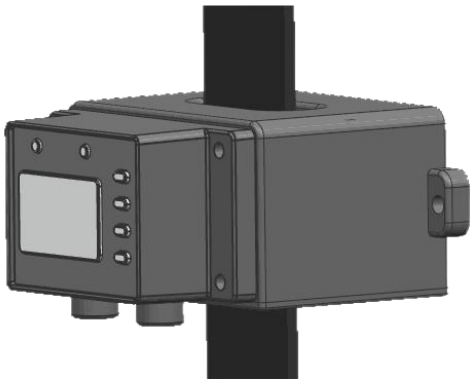

Product Function

On-line monitoring of earth resistance and metal loop connection resistance, grounding status.

Product Features

1. Non-contact measurement technology, safe and reliable, easy to install. The grounding down lead passes through the perforation of detector directly, and not affects the grounding lightning protection effect and the normal operation of the facility.
2. The C type product is equipped with a LCD that can be installed and used independently. The earth resistance value can be observed at any time.
3. Equipped with RS485 interface (support MODBUS-RTU communication protocol) or GPRS communication, connect with the user computer to realize remote real-time monitoring.
4. Explosion-proof products can be used in the flammable and explosive environment, explosion-proof mark: Ex ia II BT3Ga, explosion-proof certification: CE23.3868X.

5.An optional lightning protection board is available for purchase, suitable for outdoor lightning-prone environments, with a power supply of 12V-24V. 4G and lightning protection boards cannot be purchased at the same time.

Technical Specification

Model	ETCR2800B	ETCR2800C
Data Display	No (can be read by RS485 protocol)	4-digit LCD display directly, can be read by RS485
LCD Size	No	47mmX28.5mm
Weight	About 955g	About 980g
Overflow Indication	No	Measure value over 200Ω, LCD display “OLΩ” symbol
Alarm Indication	Tester audible and visible alarm	Tester audible and visible alarm
Alarm Setting	Configured with RS485 protocol	Tester panel setting or configured with RS485 protocol
Range	Range: 0.01Ω~200Ω	
Resolution	0.001Ω	
Accuracy	±2%rdg±3dgt(20℃±5℃,Below70%RH)	
Power Supply	6VDC~12VDC, 50mA Max.(External power supply, optional 4G 12VDC 150mA Max)	
Working Current	50mA Max. (Optional 4G 12VDC 150mA Max)	
Explosion-Proof Mark	Ex ia Ⅱ BT3Ga(explosion-proof certification: CE23.3868X)	
Waterproof Level	IP54	
Tester Weight	960g	
Dimensions	144mmX130mmX84mm	
CT Size	60mmX27mm	
Single Measurement Time	About 0.5 second	
Communication Mode	RS485 (supports MODBUS-RTU communication protocol) or 4G communication (optional)	
Normal 4G Version	LTE-FDD B1/B3/B5/B8 LTE-TDD B34/B38/B39/B40/B41	

Global 4G Version	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD B38/B39/B40/B41 WCDMA B1/B2/B4/B5/B6/B8/B19 GSM B2/B3/B5/B8
Accessories	Tester: 1 Pcs; Connecting wire: 1PCS