

Ground resistance Smart monitor



Description

This product is specially designed for on-line monitoring of the ground network resistance of lightning protection devices. It can be installed individually or assembled into a wired network and a wireless network system. It can be used for wired or wireless communication. It can be externally powered or equipped with solar power. It is equipped with standard RS485 Interface data communication, can provide custom programming interface, convenient for customers to dock with other private protocols.

Features

- Avoid auxiliary earth pole change interference, support wired and wireless transmission
- Aluminum alloy shell, to ensure that the field, mine and other harsh conditions
- On-site alarm function, even if it is not connected to the Internet, it can also realize on-site management
- Remote service, through the cloud server, you can remotely monitor any collection terminal data, obtain real-time data information, remote online upgrades, and remote debugging

Specifications:

Model	TD-FS007/ZD
Working Voltage:	DC9~24V
Power Consumption:	1W
Communication protocol:	Standard MODBUS, TCP/IP, MQTT protocol
communication method:	RS485,RJ45,ZIGBEE,GPRS
Resistance range:	0.1Ω-200Ω
Resolution	0.01Ω
Single measurement time	30 second
External magnetic field	<40 A/M
External electric field	<1V/M
Transmission method	wireless
IP protection level:	IP65



Shell material:	Aluminum
Environmental humidity:	<95%
Working temperature:	-20~70 °C
Dimensions:	272*155*49mm (length, width and height)
Auxiliary grounding requirements	20mm*2m
Resistance requirement	Auxiliary ground grid resistance < Monitoring the resistance of the ground grid *15
Number of auxiliary ground level	2