

EarthLogger

EarthLogger provides comprehensive monitoring and logging of insulation resistance for unearthed IT systems, capable of handling up to four separate AC or DC busbar feeds at the same time. It facilitates long-distance, extended-time observation and management of electrical supply components, offering capabilities to observe, forecast, and avert possible issues. This enhances preventive measures, decreasing the chances of equipment malfunction.



4 Channel Remote Earth Insulation Logging

EarthLogger monitors and logs insulation resistance in unearthed IT systems of up to four independent AC or DC busbar feeds simultaneously. As an RCM device, EarthLogger enables off-site long-term trending and supervision of your power supply assets; allowing you to monitor, predict and prevent potential problems, reducing the likelihood of equipment failure or damage. Historical data can be viewed from anywhere via the embedded web server. No remote server required! Cables which run in parallel with AC electrified railways are subjected to induced voltages. If an earth leakage occurs in the cable, these voltages can disturb devices which are connected to both cables. When earth faults occur in both supply and return wires yet another hazardous condition is created. These faults can be detected reliably with MRD's ELD.

Features

- 4 Channels, AC or DC 0-650V RMS
- Trend View via embedded web server
- Logs insulation resistance and busbar voltage
- Sunlight readable OLED display
- Remote test and reset
- Scheduled self-test function
- GSM/GPRS modem and Ethernet port
- Email, SMS notifications
- SNMP Traps

Benefits

- Remote monitoring and logging of insulation resistance
- Allows detection and removal of faults before problems occur
- Data available in easy to interpret graphical format
- Identify the time and cause of fault using logs
- 4 Channels in one compact device



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4 Channel Earth Insulation Logger

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Part Numbers

4-CH EarthLogger

EL - 4

Technical Specifications

General Data

Connection	4mm screw terminal
Mounting Type	DIN rail or screw mount
Dimensions (H x W x D)	75 x 150 x 110mm
Weight	0.7kg
Operating Temperature	-25 to 70°C

AC Supply Voltage

Supply Voltage	100 – 240V AC
Frequency Range	50 – 60 Hz

DC Supply Voltage

Supply Voltage	120 – 370V DC
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Control Circuits

Control Inputs - Voltage Free

Remote reset

Output Circuits

Alarm Outputs

2 x Relays (SPDT)

Monitoring Voltage Range

AC Busbar Voltage	0 – 650V AC
DC Busbar Voltage	0 – 300V DC

Protection Class

Internal Components	IP30
Terminals	IP20
Fault Contact Ratings	1A at 250V AC 1A at 110V DC 2A at 30V DC

Approval & Compliances

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