



EFZ-1

Lightning current recorder

Product Description

EYZAO made EFZ-1 lightning current recorder can be used to record natural lightning data, when lightning occurs, it can real-time, accurate measurement of the peak value and polarity of the lightning current, as well as the time when the lightning strike occurs. It provides data basis for lightning incident report, emergency treatment of lightning incident, lightning protection design improvement, etc. It is of great significance to improve equipment protection scheme and equipment reliability operation.

Functional Advantages

- High-performance lithium battery power supply, long service life
- Outdoor use, simple installation, no external wiring, no need for special maintenance
- High lightning strike response sensitivity, small activation threshold, large range, accurate data
- Lightning data is automatically stored and can be viewed on site or transmitted wirelessly and viewed remotely

Typical application

- Petrochemicals
- Metro
- Heritage conservation
- Skyscraper
- Power system
- Lightning tower

Technical parameters	
Product Model	EFZ-1
External Dimension	170*125*90mm
Protection level	IP65
Product weight	700g
Transmission method	2G+NB-IoT mobile IOT card wireless transmission (4G optional)
Measurement method	Power saving state, lightning strike wake-up
Data Viewing	LCD local view, software platform view
Recorded data	Peak lightning current, time of occurrence, number of lightning strikes and polarity
Measurement range	±3kA ~ 100kA
Data storage	Local storage, cloud storage
Measurement channel	Positive and negative channels
Operating environment	-20°C to 60°C, humidity less than 95%, altitude less than 3000 metres above sea level
Mounting	U-clamps for fixing to the earth lead or to the wall
Power supply method	High-performance lithium batteries
Whether to support customisation	Support
Measurement error	Within 20%
Storage Quantity	Maximum 999
Implementation standards	GB/T 33588.6-2016
Product code	941109

Installation Wiring Diagram

