



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

