

## ACM Product Surge Arrester Digital Leakage Ampere Meter



ACM product  
Surge arrester digital leakage ampere meter

### Description

Surge arrester digital leakage ampere meter mainly monitors the metal oxide Surge arrester in the substation of 35kV and above voltage level. The device has the function of periodic automatic monitoring and detection of the state parameters of the metal oxide arrester, such as the full current and the number of movements. With long-term stable working ability, with power failure without loss of data, self-diagnosis, self-reset function; With fault alarm function.

### Features

- High precision through-core transformer, and completely isolated from the primary circuit, high safety.
- Distributed measurement structure, that is, local measurement, digital transmission, through RS485 digital signal transmission to the background.
- High measurement accuracy, better than the national standard requirements.
- Integrated structure design, three-layer shield design, high reliability.
- Use LED display to display monitoring data, convenient observation.
- The protection grade is IP66.

### Technical parameters

#### 1. Electromagnetic Compatibility

Testing standards	Grade
GB/T 17626.2 Electrostatic Discharge (ESD)	Level 4
GB/T 17626.3 Radio frequency electromagnetic field radiation	Level 3
GB/T 17626.8 Power Frequency Magnetic Field	Level 5
GB/T 17626.9 Pulsed magnetic field	Level 5
GB/T 17626.10 Damped Oscillatory Magnetic Field	Level 5
GB/T 17626.11 Voltage Sags	Level 3
GB/T 17626.4 Electric fast transient pulse group	Level 4
GB/T 17626.5 Surge (impact)	Level 4
GB/T 17626.6 Conducted disturbances induced by radio frequency fields	Level 3

### Technical parameters

#### 2. General product parameters

Product characteristics	Specifications
Ambient temperature	-40°C~ +70°C
Relative humidity	5% ~ 95%
Atmospheric pressure	80 kPa ~ 110kPa
Voltage level	35kV and above voltage class
Residual voltage test	zero
High current shock resistance test	100kA
Square-wave impulse current tolerance test	600A
Measuring range	100uA ~ 5mA
Measuring error	± (reading*1% +5uA)
Measurement repeatability	RSD < 0.5%
Discharge counter	0 ~ 999
Data update	Every 5 second
Data storage capacity	10000 entries
LED display	100uA ~ 5mA
Power supply mode	Pa: AC 220 (1±10%) V, 50 (1±5%) Hz
Device power consumption	<10VA
Protection grade	IP66
Mounting type	screws
Weight	3.6kg

### Dimensions

