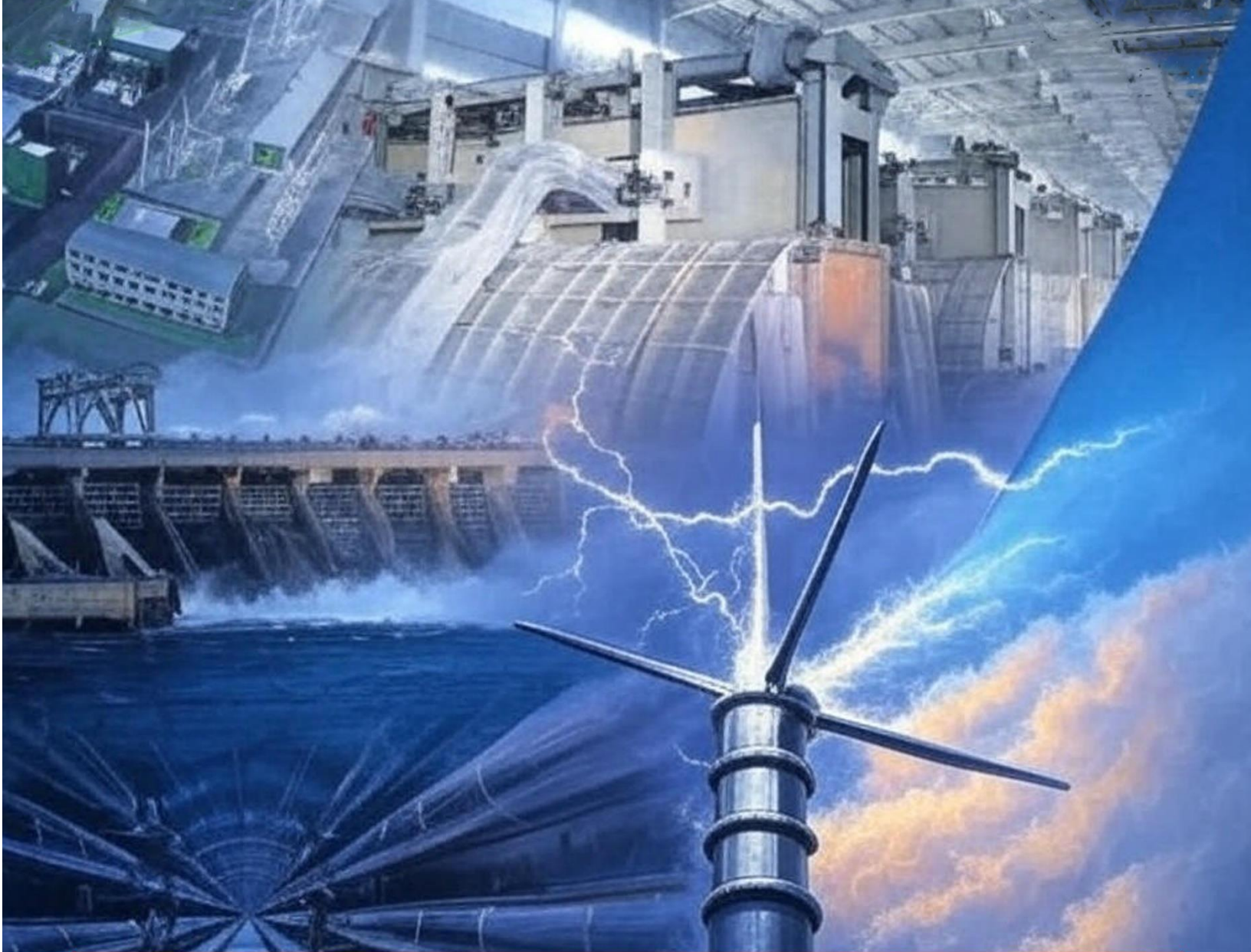




Product Description

Fiber Optic Current Sensor Series

FS208 DC Current Onsite Accuracy-check Instrument





FS208 DC Current Onsite Accuracy-check Instrument



Introduction

The FS208 DC Current Onsite Accuracy-check Instrument is a high accuracy current meter based on the Faraday's magneto-optical effect and Ampere loop theorem for current measurement. Its unique self-calibration technology ensures higher accuracy than other current sensors. The FS208 uses flexible fiber optic sensing fiber optic cables that can be easily wrapped around current carrying busbars, making current measurement simple and efficient.

Key Features

Large measuring range, high metrological accuracy, fast response time

Application area

Ideal for accurate measurement of high currents and in-situ calibration of sensors in industrial sites.



Technical Indicators	
Rated current(Ir)	DC 100/300/700kA
Maximum range	120%Ir
Measurement accuracy	0.05%
Bandwidth (analog output)	0~3kHz
Response time (analog output)	≤300us
Integration time (numerical display)	1~10s(customized)
Sensor Fiber Optic Cable	
Sensor fiber length	20m
Cable diameter	15mm
Fiber optic cable pressure resistance	150mm
Minimum bending radius	150mm
Maximum tensile strength	100N
Output Methods	
One digital fiber optic output	FT3 (10/50/100ksps)
One digital RS485 output	Modbus-RTU (3sps)
One analog voltage output	±5V/±10V
Analog Output Terminal	5.08mm Phoenix Terminal
Input methods (Version B)	
Analog voltage input	±10V
Analog input terminal	BNC
Environmental conditions	
Sensor ring operating temperature	-20°C ~ +70°C
Collector operating temperature	10°C ~ +45°C



Storage temperature	-20°C ~+70°C
Protection grade	IP30
Humidity	5% ~ 90%
Altitude	<4000m
Power supply	
Operating power	AC 220V 50Hz
Power consumption	<150W
Physical Size	
Collector size (W×H×D)	430mm×210mm×485mm
Collector screen size	13inch (275mm×180mm)
Collector weight	15kg