



Product Description

Fiber Optic Current Sensor Series

FS210 Clamp-on Fiber Optic Current Meter





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Introduction

The FS210 clamp-on fiber optic current meter utilizes Ampere's Law and the Faraday magneto-optical effect. This advanced instrument integrates optoelectronics technology with a sensing fiber incorporated into a clamp mechanism, allowing for quick and accurate measurement of current distribution in electrolytic cells.

Key Features

Anti-Spurious Magnetic Interference, Fast Measurement, Human-Machine Interaction, Protective Design for Harsh Environments

Application area

Electrolyzer anode and cathode current measurement



Technical Indicators	
Rated current(Ir)	20/40kA
Maximum range	120% Ir
Measurement accuracy	1%FS
Data refresh rate	3Hz
Smoothing time	1~10s
Output Methods	
Data interface	USB-C
Number of data records	10000
Environmental conditions	
Measuring head operating temperature	-10°C~ +85°C
Main unit operating temperature	-10°C~ +45°C
Storage temperature	-40°C~ +70°C
Protection grade	IP50
Power supply	
Power supply mode	Battery
Battery capacity	16500mAh 3.6V 60wh
Standby time	≥8h
Charging power	AC 110/220V 50Hz/60Hz
Charging interface	USB-C
Physical Size	



Main unit (W×H×D)	225mm×86mm×85mm
Screen size	5inch
Weight	≤2kg
Operation lever length (L)	1m/1.2m/1.5m/1.8m
Clamp opening type	C1