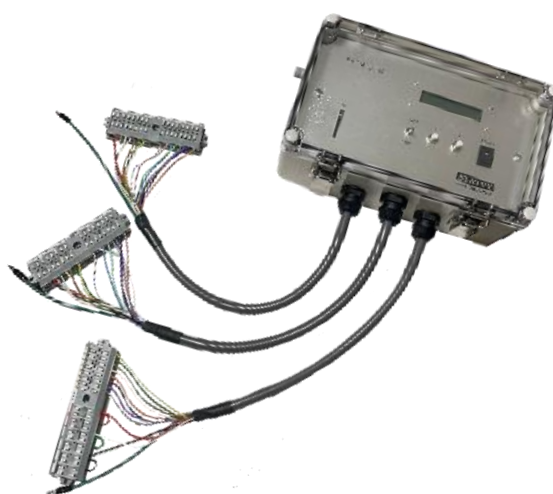# Multi-Channel ACM Data Logger SACM-31FB Specifications

【Overview】

This logger can be used to measure ACM sensors from very low to high currents with an auto-ranging non-resistive ammeter. ACM data can be analyzed to determine corrosion rate, wetting time, and sea salt deposition. Temperature and humidity data can also be measured to calculate sea salt deposition.

Up to 16 ACM sensors and 4 temperature/humidity sensors can be connected per unit. Data is stored in the SD card and can be extracted and read on a PC.

【Structure/Appearance】

The LCD allows the user to set the time, change the measurement interval, and check the measured values. For outdoor use, please use the waterproof box (sold separately).

If an external power supply is available, use an AC adapter. If no external power source is available, the unit can be powered by a 12V battery, which allows for longer monitoring periods when combined with a photovoltaic power generation system.

【Specifications】

Number of Measurement Channels	ACM Sensor: max. 16 Temperature: 4 Humidity: 4
ACM Sensor Measurement	Range:10nA、100nA、1uA、10uA、100uA、1mA、10mA Auto switching (With noise reduction filter)
LCD Display	2 lines, 16 columns (No backlight)
Data Acquisition and Format	10-minute intervals, text format (Can be read by spreadsheet software, etc.)
Data Storage	SD Card (Up to 32GB)
Power Supply and Logger's weight	DC9～12V Approximately 3.2kg
Size	280 mm (W) x 190 mm (D) x 141 mm (H) (Excluding protrusion and cable)

【Equipment Set Sample】

SACM-31FB (Main body)	Power supply cable	AC adaptor

Industrial SD card	ACM Sensor	Temperature-Humidity Sensor

○Accessories
　Power supply cable

○Separated Purchase Required
　AC adaptor, SD card
※It is recommended to purchase the specified　products for compatibility with the equipment.

○Type of Sensor
　ACM Sensor, Temperature-Humidity Sensor

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