

Small Conservational Multichannel ACM Data Logger SACM-318B

Specifications

【Overview】

It is a logger that can measure from ultra-micro current to large current of ACM sensor with an auto-range non-resistance ammeter. In addition to an external power supply, the power-saving design enables long-term battery operation. Corrosion rate, wetting time, and amount of sea salt adhesion can be determined by analyzing ACM data. It is also possible to measure the temperature and humidity data for calculating the sea salt adhesion amount. Up to 8 ACM sensors and 2 temperature/humidity sensors can be connected per unit. The data is saved in the SD card, and it can be extracted and read on a PC.

【Structure/Appearance】



The time, the measurement interval can be adjusted, and the measured value can be checked on an LCD display. Since the main unit is waterproof and can be used outdoor (batteries and terminals are separated). If the waterproofness wants to be strengthened, please use the separately sold waterproof box.

If you have an external power source, use the AC adaptor. It can be powered by a 12V battery in the absence of an external power source, and when coupled with a photovoltaic power generating system, it is feasible to monitor for extended periods of time.

【Specifications】

Number of Measurement Channels	ACM Sensor: max. 8 Temperature: 1 Humidity: 1
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 mins interval (Adjustment Possible) Text Format (readable by spreadsheet software, etc.)
Data Storage	SD Card (Up to 2GB)
Power Supply and Logger' s weight	DC9~12V Approximately 1kg
Size	280mm (W) × 190mm (D) × 141mm (H) (Excluding Protrusion and Cable)

【Equipment Set Sample】

SACM-318B (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 product for compatibility with the equipment.

○Type of Sensor

ACM Sensor, Temperature-Humidity Sensor