Laboratory Experiment ACM Data Logger SACM-50F Specifications
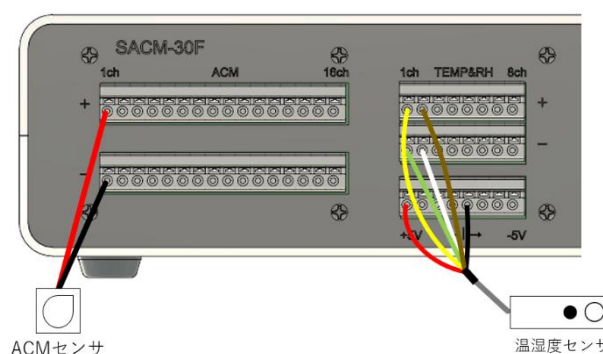
【Overview】

This logger can measure ACM sensor currents from very low to high with an auto-ranging non-resistive ammeter, and by analyzing ACM data, corrosion rate, wetting time, and sea salt deposition can be determined. Temperature and humidity data can also be measured to calculate sea salt deposition. A PC monitor can be connected to this unit to check output values and graph variations over time.

Up to 16 ACM sensors and 4 temperature/humidity sensors can be connected per unit. Data is stored in Compact Flash and can be extracted and read by a PC or other device.

【Structure/Appearance】

Enlarged View of Sensor
Connection(SACM-50F)

※Different Colors Also Available

The LCD allows the user to set the time, change the measurement interval, and check the measured values.

【Specifications】

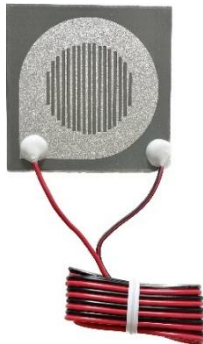| Number of Measurement Channels	ACM Sensor: max. 16 Temperature: 4 Humidity: 4
ACM Sensor Measurement	Range:10nA、100nA、1uA、10uA、100uA、1mA、10mA、100mA Auto switching (With noise reduction filter)
LCD Display	2 lines, 16 columns (No backlight)
Data Acquisition and Format	10 mins interval (Adjustment possible) Text Format (Readable by spreadsheet software, etc.)
Data Storage	Compact Flash (Up to 2 GB)
Power Supply and Logger Weight	DC9～12V Approximately 3.2kg
Size	320 mm (W) x 240 mm (D) x 90 mm (H)

【Equipment Set Sample】

SACM-50F(Main Unit)	AC Adaptor	PC Monitor

ACM Sensor	Temperature Humidity Sensor

○Accessories
  Connection Cable for Monitor

○Separated Purchase Required
  AC adapter and PC monitor (not required if you use your own monitor)
  ※We recommend to purchase the specified products for compatibility with your equipment.

○ Type of Sensor
  ACM Sensor, Temperature-Humidity Sensor

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