

SEM4000F Compact Meteorological Station

MAIN FEATURES

- Miniaturization design
- High integration, all-in-one
- Modular, no moving parts
- Special process heat insulation treatment of protective cover
- Support extended parameter measurement



APPLICATION

- Meteorological monitoring
- Coastal rainwater monitoring
- Hydrology and water conservancy monitoring
- Agrometeorological monitoring
- Road safety monitoring
- Commercial water demand monitoring



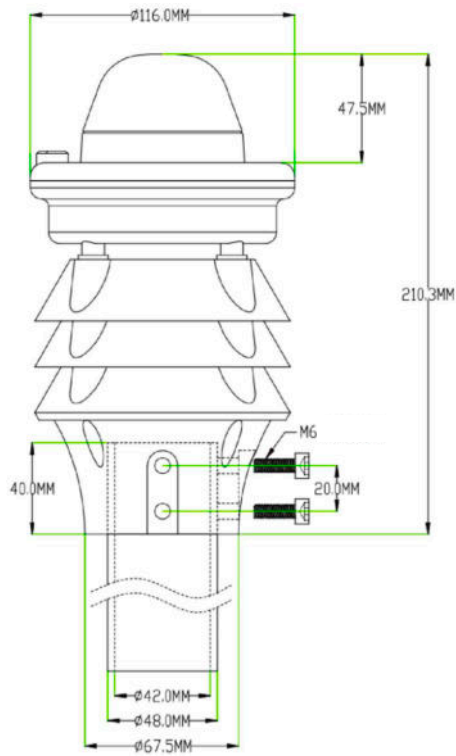
OVERVIEW

The SEM4000F four element micro meteorological instrument is an instrument for monitoring meteorological parameters in many fields. The equipment innovatively realizes the four parameters of meteorological standard, namely, atmospheric temperature, humidity, barometric pressure and optical rainfall, through a highly integrated structure, which can realize 24-hour continuous online monitoring of outdoor meteorological parameters, and output the four parameters to users at one time through the digital communication interface.

SPECIFICATION

ITEMS	Range	Accuracy	Resolution	Sampling frequency
Air temperature	- 40 °C - + 85 °C	±0.3°C@25°C	0.01 °C	1Hz
Air Humidity	0-100%RH	± 3% RH (10% - 80% RH, no condensation)	0.01%RH	1Hz
Atmospheric pressure	500 -1100hPa	±0.5hPa (25°C, 950-1100hPa)	0.1hPa	1Hz
Rainfall	0-200mm/h	-	0.2mm	1Hz
Working temperature	-40°C~80°C			
Output signal	The standard product is RS485 interface, ModbusRTU; Customizable SDI-12 (modules need to be purchased separately)			
Max. output frequency	Passive mode: 1/S Active mode: 1/min			
Power supply	DC9-24V			
Protection level	IP65			
Fixing method	The standard product is fixed by sleeve, see the product dimension drawing. (Flange fixing or bending plate fixing mode is optional)			
Fixing bracket	None for standard products, 1.5m and 1.8m brackets are optional (to be purchased separately)			
Cable	3m cable (10m communication cable is optional)			

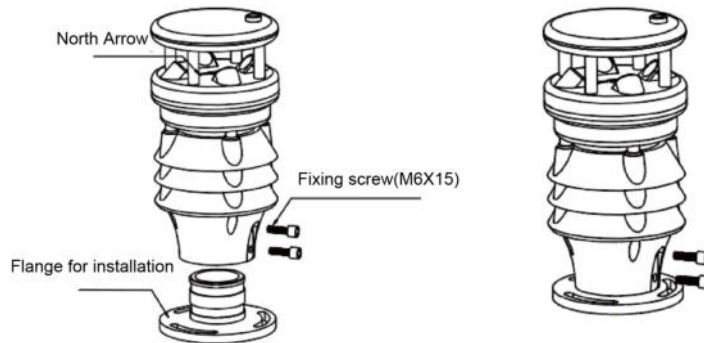
DIMENSION



Unit: mm

INSTALLATION

- *Fixing method of flange plate:*



- *Fixing method of bending plate:*

