

ICONICS-ME

This Portable Automatic Weather Station is used for Atmospheric Temperature, Relative Humidity, Atmospheric Pressure, Wind Speed & Direction, Solar Radiation, Rainfall, Soil Temperature and Humidity parameters measurement, display and storage. The station consists of various types of sensors, LCD Screen, Meteorological Data Logger, Chassis, Support and other Parts. It can be widely used in Meteorology, Hydrology, Agriculture, Forestry, Scientific Research and other fields.



Features

- High Accuracy
- Strong Corrosion Resistant Ability
- Automatic Data Logging
- Convenient Data Download
- Metallic Construction of brackets and cross arms
- Solar Powered

Applications

- Meteorology
- Hydrology
- Agricultural
- Forestry
- Highways & Railways
- Solar & Wind Power Generation
- Greenhouse, breeding
- Scenic Region
- Scientific Research

AWS

PORTABLE AUTOMATIC WEATHER STATION

Model: ICME-PWS-1

SPECIFICATIONS

Sensors Ports:	1x RS485, 5x Pulse Ports, 5x 4-20mA Ports, 5x 0-5VDC Ports
Sensor Types:	RS485, 4-20mA, 0-5V, Pulse
Display:	LCD 16x4 with blue backlight
Data Storage:	Micro SD Card
Logging Interval:	5 Sec to 18 hours
Built-in Barometer:	600hPa to 1100hPa, ± 1 hPa Accuracy
Keypad:	16 Keys touch pad
Solar Panel:	5 Watts
Battery:	with 3 Days backup time
Enclosure:	IP65 Plastic Enclosure
Operating Range:	-40° to 60°C (-40° to 140°F)
Tripod & Cross Arm:	3 meter Tripod

Temperature & Humidity Sensors

Model	Measurement	Range	Resolution	Accuracy	Output	Photo
330-11	Temperature	-40 to 80°C	0.1°C	$\pm 0.5^\circ\text{C}$	Digital	
	Humidity	0 to 100% RH	0.1%RH	$\pm 2\%RH$		
330-01A with 11 Plates Solar Radiation Shield	Temperature	-40 to 60°C	0.01°C	$\pm 0.5^\circ\text{C}$	4-20mA	
	Humidity	0 to 100% RH	0.5%RH	$\pm 3\%RH$		

Wind Speed

Model	Material	Range	Accuracy	Signal Output	Photo
100-01	Aluminum Alloy	0-30m/s	$\pm 3\%$	Pulse	
100-02	Carbon Fiber	0-45m/s	$\pm 3\%$	Pulse	

Wind Direction

Model	Material	Range	Resolution	Accuracy	Signal Output	Photo
110-01a	Aluminum Alloy	0-360°	22.5°C	±3%	0-5VDC 4-20mA	
110-01b	Aluminum Alloy	0-360°	1°C	±3%	0-5VDC 4-20mA	
110-02	Carbon Fiber	0-360°	1°C	±3%	0-5VDC 4-20mA	

Tipping Bucket Rain Gauge

Model	Material	Range	Resolution	Accuracy	Signal Output	Photo
400-01	304SS	≤4mm/min	0.2mm	±4%	Pulse	
400-04	ABS Plastic	≤4mm/min	0.2mm	±4%	Pulse	

PAR/Pyranometer/UV Sensor

Model	Type	Material	Spectral Range	Maximum Irradiance	Sensitivity	Signal Output	Photo
200-02	PAR Sensor	Aluminum Alloy	400-700nm	0-2500 μ *mol/m ² *s	160-1000 μ v/ μ *mol* m ² *s	0-5VDC 4-20mA	
200-03	Pyranometer	Aluminum Alloy	300-3200nm	0-2000W/m ²	7-14 μ v/w/m-2	0-5VDC 4-20mA	
200-04A	Pyranometer	Aluminum Alloy	300-3000nm	0-1500w/m ²	7-14 μ v/w/m-2	0-5VDC 4-20mA	
200-07	UV Sensor	Aluminum Alloy	240-400nm	0-200W/m ²	N/A	0-5VDC 4-20mA	

Soil Sensors

Model	Output Parameters	Probe Size	Signal Output	Photo
IDW-SM05	Soil's Volumetric Water Content (VWC) and Temperature	70mm	0-2VDC 4-20mA RS485 Modbus	
IDW-SM06	Soil's Volumetric Water Content (VWC), Electric Conductivity and Temperature	70mm	0-5VDC 4-20mA RS485 Modbus	
IDW-SM07	Soil / Liquid PH Sensor	N/A	4-20mA RS485	