

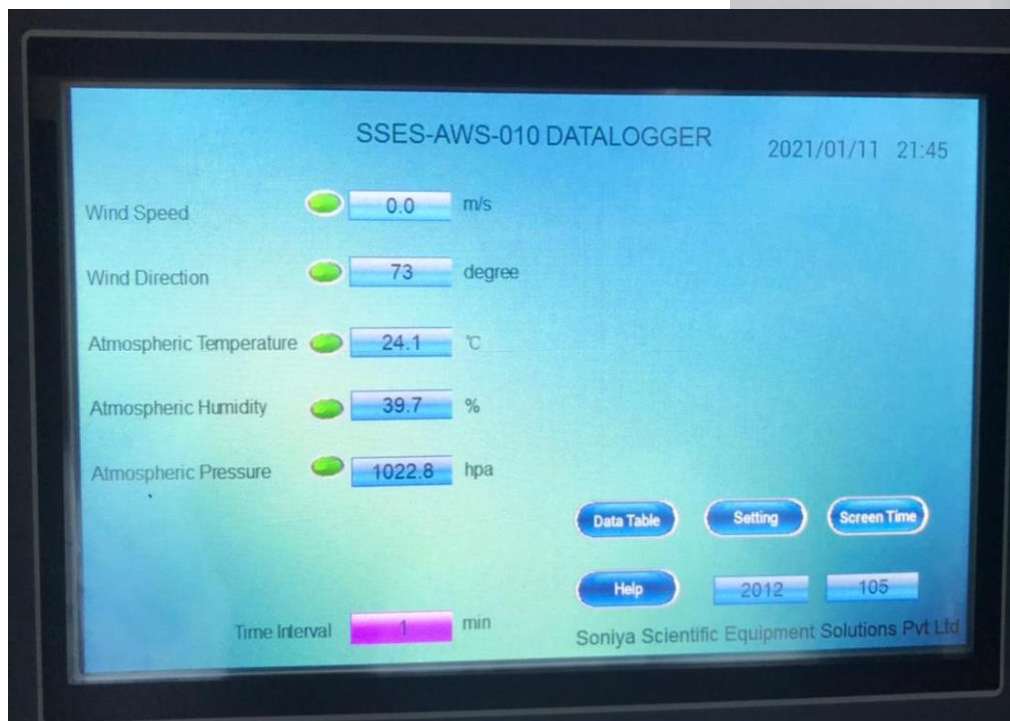
## AUTOMATIC WEATHER STATION

### Description:

SSES-AWS-010 automatic weather station a product of Soniya Scientific can use for continue monitoring, selecting the parameters i.e. wind speed, wind direction, rain fall, temperature, humidity, solar radiation, air pressure, soil temperature, soil humidity, etc with datalogger function. It has also the facility, where data can be transferred to computer software by 4G, GPRS for analyzing the data.

### Functions:

- Real-time monitoring of meteorological parameters such as wind speed, wind direction, rainfall, temperature, humidity, air pressure, solar radiation, soil temperature, and soil moisture.



- The microcomputer weather data acquisition instrument has function, such as weather data acquisition,

real-time clock, storage function, parameter setting, history data protection.

- Data transmission: standard RS232/485/USB/RJ45 communication function, support MODBUS communication protocol, can transfer to weather computer through communication wired methods.
- With many types mounting brackets and field protection boxes, good looking appearance and anti-interference.
- The power system has multiple modes of AC, DC and solar systems;
- Reliable operation in various harsh outdoor environments, low power consumption, high stability, high precision, and no need unattended;
- Perfect protection measures such as lightning protection and anti-interference;
- Hardware and software adopts modular design and open design, which can be combined very flexibly;
- Weather sensors can be selected according to needs;

**Technical Parameters:**

Wind speed	Measuring Range	0~70m/s
	Accuracy	± 0.3m/s
	Resolution	0.1m/s
	Sensor Material	Aluminum alloy and carbon fiber
Wind direction	Measuring Range	0~360°
	Accuracy	± 3°
	Resolution	≤0.5m/s
	Sensor Material	Aluminum alloy and carbon fiber
Temperature	Measuring Range	-40~60℃
	Accuracy	0.5℃
	Resolution	±0.1℃
Humidity	Measuring Range	0~100%RH
	Accuracy	0.5%RH
	Resolution	± 3%RH
Air Pressure	Measuring Range	10-1100hpa
	Accuracy	± 1hpa
	Resolution	0.1hpa
Rain Fall	Measuring Range	0-4mm/min
	Accuracy	± 4%
	Resolution	0.2mm
	Material	ABS
Solar Radiation	Measuring Range	1-1500W/m <sup>2</sup>
	Accuracy	± 3%
	Resolution	1W/m <sup>2</sup>

It is widely used in meteorology, environmental protection, airport, agriculture and forestry, hydrology, military, storage, scientific research and other fields.