

IOT-S300WS8

8-in-1 Professional Environment Monitor with Sensors of Ultrasonic Wind, PM2.5, PM10 and Noise



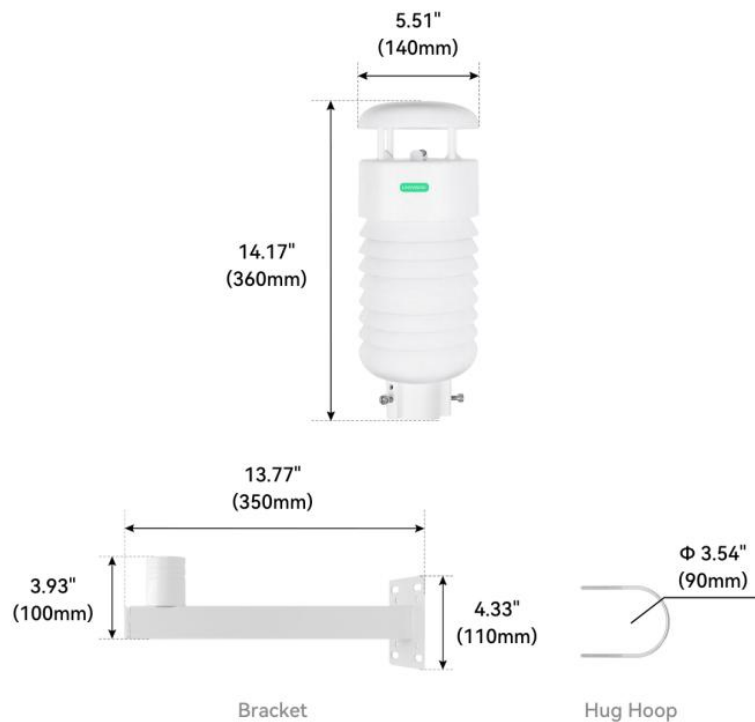
Outstanding Features

- 8-in-1 Environment Monitor - Integrated sensors of temperature, humidity, pressure, wind speed, wind direction, noise, PM2.5, PM10, ideal for pollution detection, city environmental monitoring
- Pro-Grade Accuracy - For scientific research or commercial weather station integration
- Ultrasonic Sensor - Provides highly precise measurement and much more reliable without using any movable parts
- RS485 Modbus - support remotely management when bundling with Modbus gateway or 4G Cellular DTU
- Industrial-Level Design - IP66 outdoor rated, and working in cold weather with built-in heater (-40°F to +185°F)
- Accessories - comes with pole mount bracket. Free subscription to Linovision AIoT RemoteMonit Cloud

Specification

Power Supply	12V~ 24V (1.3W)		
Heating Power Supply	24V (21W)		
Support Protocols	RS485 (MODBUS-RTU) / SDI-12		
IP Rating	IP66		
Working Temperature	-40 °C ~ + 85°C (-104°F ~ + 185°F)		
Working Humidity	0 to 100%RH (non-condensing)		
Weight	1669g (3.68 lb)		
Measurement Parameter	MeasurementRange	Measurement Accuracy	Resolution
Air temperature	-40~85°C	±0.1°C	0.01°C
Air humidity	0~100%RH	±1.5%RH	0.01%RH
Barometric pressure	300~1250hPa	±50Pa	10 Pa
Wind speed	0~60 m/s standard range0~75m/s extended rangeUp to 80m/s withstand range	±0.3m/s(≤10m/s);±3% (10m/s ~ 50m/s)±5% (>50m/s)	0.1m/s
Direction of the wind	0~360° (@-40°C~60°C)	±3.0°	0.1°
Noise intensity	35~100dB	±1.5dB	0.1dB
PM2.5	0~1000µg/m3	±10%@100~1000µg/m3±10µg/m3@0~100µg/m3	1µg/m3
PM10	0~1000µg/m3	±15%@100~1000µg/m3±15µg/m3@0~100µg/m3	1µg/m3

Dimensions



Weight: 3.68lbs (1.67kg)