

Micro Weather Station

“ Efficient Weather Measurement System
And Platform with IoT Devices ”

Micro weather station solution offers a seamless plug-and-play experience, allowing for instant deployment without complex configuration. The system automatically transmits real-time environmental data to a centralized web platform, enabling users to monitor and analyze weather conditions remotely from any device.



Key Features

-  **Efficiency**
Can measure various values related to weather conditions such as PM2.5 & PM10, Rainfall, Wind Speed & Direction, Temp & Humidity, Lighting etc.
-  **Easy installation and compatibility**
Adopts Plug and Play principle which makes it easy to integrate with existing systems.
-  **Strong and durable**
High-quality weather-resistant enclosure designed for maximum protection. It is dustproof, waterproof, and built to withstand outdoor environments
-  **Easy to use**
Effortless monitoring via our centralized web platform. Access real-time weather data and insights from any device, providing a seamless user experience without the need for an on-site display.

Measured Data

-  PM2.5 & PM10
-  Rainfall
-  Wind Speed & Direction
-  Temp & Humidity
-  Lighting

Overview



Dimension



280(W) × 350(H) × 150(D)
(unit :mm)

IoT Box



352.3(L), Pole 108.4
(unit :mm)

IoT Sensor



305(L), Top plate 180 (L) × 100 (D),
Pole Ø47 (unit :mm)

Mount Bracket

Product Description

SPECIFICATIONS : IOT SENSOR

Parameter	Measurement Range	Accuracy	Working temp	Response time
PM 2.5 & PM 10	0~1000µg/m ³	±3%FS(@100µg/m ³ , 25°C, 50%RH)	-20~60°C	≤90s
Rainfall	24mm/min	±4%	-40~80°C	≤4mm/min
Wind Speed	0~40m/s, start-up wind speed is 0.5m/s	±0.5+2%FS (60%RH,25°C)	-40~80°C	
Wind Direction	0~359°	±3°(60%RH,25°C)	-40~80°C	
Temperature	-40°C~+80°C	±0.5°C(25°C)	-40~80°C	
Humidity	0%RH~99%RH	±3%RH(60%RH,25°C)	-40~80°C	
Light intensity	0~200,000 Lux	±7%(25°C)	-40~80°C	≤2s

Controller	IoT Monitoring and Controller
Power supply	220 VAC
Maximum power consumption	0.5 A
Communication	Option ; 4G/LTE Network
Waterproof Enclosure	IP54
Connector	Waterproof Connector
IoT Box	Dimensions : 280(W) × 350(H) × 150(D) mm. Design : Steel Material, Waterproof
Mount Bracket	Dimensions : 305 mm (L); top plate 180 (L) × 100 (D) mm; pole Ø47 mm. Design : Aluminum Alloy