



MICRO-CLIMATE WEATHER STATION

Macro (Central) weather data ≠ Field data

Precision Agriculture Begins with Microclimate monitoring and forecast in advance



Custom OEM dashboard

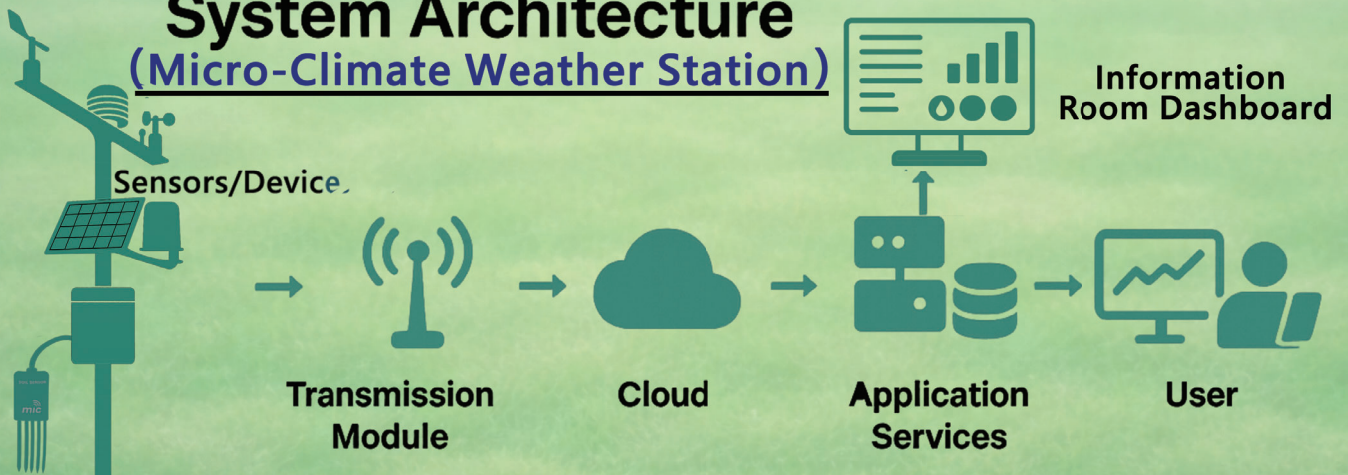


Microclimate-Integrated Soil Nutrient Monitoring



Microclimate meteorology integrated soil nutrient monitoring

System Architecture (Micro-Climate Weather Station)



Weather station may integrate with air pollution and Particulate Matter for accurately reflects on-site Agri. condition for farmers plan harvesting schedule and maximize crop quality



MIC METER INDUSTRIAL COMPANY

ADDRESS: No.115 2ND STREET LONG-ZHEN NAN TUN DISTRICT TAICHUNG CITY TAIWAN

TEL: 886+4+23751881 www.meterindco.com.tw web@meterindco.com.tw

MICRO-CLIMATE WEATHER STATION



The Micro-Climate Weather Station is designed for agriculture, aquaculture, and livestock farming environments. It integrates multiple weather sensors and visual monitoring functions to provide real-time environmental data and remote management, helping operators accurately track climate changes, prevent disaster risks, and improve production stability and management efficiency.

Product Features:

●Multi-Parameter Weather Monitoring

Real-time measurement of atmospheric pressure, rainfall, wind speed, wind direction, temperature, humidity, and light intensity to fully capture microclimate conditions.

●On-Site Pond Monitoring

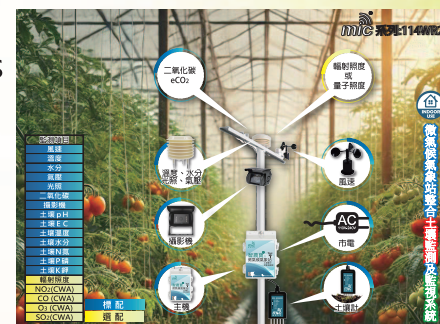
Combines water quality and weather data to provide early warnings for abnormal climate and environmental changes.

●Visual Pond Observation

Track water color, water level, and on-site conditions, supporting better management decisions.

●Cloud-Based Data Management

Weather and water quality data are synchronized to the cloud, allowing instant access via mobile devices and computers for centralized management.



MICRO-CLIMATE WEATHER PARAMETER COMPARISON

	Outdoor			Greenhouse		
	Soil solar power			AC Mains Power		
	114WS	114WS1	114WS2	114WR	114WR1	114WR2
4G	4G			○	○	○
WiFi				●	●	●
AC Mains Power				●	●	●
Power Supply	10W~30W			110/220V		
Wind Speed	●	●	●	●	●	●
Wind Direction	●	●	●	●	●	●
Temperature	●	●	●	●	●	●
Humidity	●	●	●	●	●	●
PM2.5	●	○	○	●	●	●
Barometric Pressure	●	●	●	●	●	●
Rainfall	●	●	●	●	●	●
Illuminance	●	●	●	●	●	●
Solar Radiation(eRadio..)		○	○	●	○	○
PPFD(eQuantum)				●	○	○
CO ₂ (CWA)				●	●	●
NO ₂ (CWA)	○	○	○	○	○	○
CO (CWA)	○	○	○	○	○	○
O ₃ (CWA)	○	○	○	○	○	○
SO ₂ (CWA)	○	○	○	○	○	○
(WebCam)			●			●
pH	○	●	●	○	●	●
EC	○	●	●	○	●	●
T (C)	○	●	●	○	●	●
MC (%)	○	●	●	○	●	●
N	○	●	●	○	●	●
P	○	●	●	○	●	●
K	○	●	●	○	●	●
Microclimate Weather Station Ground-Mounted Pole Stand				180 cm		
Microclimate Weather Station Weight				8.16 kgs		