

ES80A-A6

AGRICULTURAL ONLINE MONITORING SYSTEM

FOR AGRICULTURAL GREENHOUSE DEVELOPMENT



The agricultural monitoring station is an unattended meteorological collection system that integrates meteorological data collection, storage, transmission and management. It is widely used in industrial and agricultural production, scenic spots, cities, campuses, forests, highways, oceans, transportation, forestry, environmental protection and other professional fields.

Features-Purpose Designed For Environment

Purpose Designed For Outdoors;
Access the Monitoring Data 24H / 365 Days; 4G Connectivity;
Real-Time Illumination, CO2, Soil and Air Temperature and Humidity,
Optional: Wind Speed/Direction/Soil PH/Salinity; Battery/Solar Power Optional;

Application Scenario



Agricultural greenhouse;
Outdoors



Streets Intersections,
Highways



Petrochemicals, Mining,
Steel Mills, Oil Refineries;



Garbage Disposal,
Tourist Attractions;



Residential Complexes,
Schools, Hospitals;

Specification Parameter Information

Product Name/Model	Agricultural Online Monitoring System/ES80A-A6
Detection Method	Diffusion / Suction
Data Transmission	RS485 Modbus, 4G LTE Optional
Preheat Time	90 Seconds
Temperature	-20 °C~50 °C
Humidity	10%RH ~95%RH (No Condensation)
Power Supply	AC110-230V/50-60Hz, Optional Solar Power Supply
Power Consumption	80W (MAX)
Host Size	620*440*160MM
The Main Material	Cold Rolled Steel Plate
Installation Method	Outdoor Column Installation
Protection Class	IP53

The Standard Configuration

Factor	Measuring Range	Resolution	Indication Error	T90
Illumination	0-200,000Lux	1Lux	≤±10%FS	120S
CO2	0-2000ppm	1ppm	≤±10%FS	120S
Soil Temperature	-50~100°C	0.1°C	≤±10%FS	120S
Soil Humidity	0~100%	0.1%RH	≤±10%FS	120S
Air Temperature	-50~100°C	0.1°C	≤±10%FS	120S
Air Humidity	0~100%RH	0.1%RH	≤±10%FS	120S
Atmospheric Pressure	600—1100hPa	1 hPa	/	

More Other Parameters (Optional)

Monitoring Parameters	Range	Resolution	Accuracy
Wind Speed	0~60m/s	0.1 m/s	±1m/s
Wind Direction	0-360°	1°	/
Wind	Level 0-15	Level 1	/
Noise	30dB(A)~130dB(A) (A-weighted)	/	±3dB
Rainfall	0~4mm/min	0.1mm	± 0.4mm (≤10mm) ±4% (>10mm)
UV Radiation	0~400mW/m ²	1mW/m ²	±5%
Light Intensity	0-200000Lux	Wave length: 380 nm-730 nm	±7%
Soil Salinity	0-5500mg/L	1mg/L	
Soil Conductivity	0~10000us/cm	1us/cm	1us/cm
Soil PH	0-14ph	0.01ph	0.1ph
Photosynthetically Active Radiation	0-2000W/m ²	1W/m ²	±3%
Soil Nitrogen Phosphorus and Potassium	1-1999mg/L	1mg/L	±2%
Sunshine Duration	0-24h	0.1h	
Evaporation	0~1000mm	0.1mm	±0.5%

If you need more other parameters to monitor, we can customize for your.

Case Show

