

AGROMETEOROLOGICAL INSTRUMENT

Universal Automatic Agrometeorological Weather Station

Model: NL-5

● Brief introduction

Universal Automatic Agrometeorological Weather Station is able to acquire the information includes: air temperature, humidity, illumination, Wind direction and speed, rainfall, etc. Widely used in facilities agriculture, forestry, horticulture, animal husbandry, and other fields. To achieve our automatically monitor to agricultural comprehensive ecological, and automatically control and intelligent management to environment.

● Characteristics

Data logger:

- ▲ Stainless steel and waterproof material.
- ▲ Big LCD screen, adopts full English menu operation
- ▲ Data-collection interval can be set, record and store data automatically
- ▲ With internal SD card (up to 40millions groups data), data can be read both on the Data logger and PC.
- ▲ Power-off memory function: data already stored in SD card won't lose when machine out of power
- ▲ Probes with uniformity: different probes can be connected to data logger through hubs with no barriers.
- ▲ Low-power design, the minimum power consumption during the run-time is only 300uA

Software:

- ▲ Showing the curve trends of each parameter, Max, Min, and AVG. zoom in and out function.
- ▲ A visual display of Coloring the overrun area function
- ▲ Store the data in EXCEL format as a copy.
- ▲ Be able to view period of parameter or graph, with printing function.
- ▲ Completely compatible with 32bit Windows system



● Technical parameters

Item	Parameter	Item	Parameter
Wind Speed	Range: 0-45m/s Accuracy : $\pm(0.13-0.015)$ m/s	Wind Direction	Range: 0-359° Accuracy: $\pm 3^\circ$
Temperature	Range: -40°C-120°C Accuracy: $\pm 0.4^\circ\text{C}$ Resolution: 0.1°C	Humidity	Range : 0-100% RH Accuracy: $\pm 3\%$ RH Resolution: 0.1%RH
Illuminance	Range: 0-200000 LUX Accuracy: $\pm 2\%$ (0-20000LUX) Resolution: 1Lux	Rainfall	Range: 0-4mm/min Accuracy: ± 0.1 mm Resolution: 0.1mm