

Portable Handheld Product Manual



HD-CWSPR7IN1-01

1. Overview:

The agricultural environment measuring instrument is professionally developed by our company and can quickly measure multiple agricultural environmental parameters . The instrument uses a microcomputer chip for control and calculation. All imported high-precision chips are used to improve the measurement display accuracy, and a dedicated Chinese character LCD screen is used to display the measurement results and battery power. The Chinese character display is more intuitive and in line with the usage habits of Chinese people.

The agricultural environment measuring instrument professionally developed by our company is a multi-purpose machine. The sensors that can be connected include: ① soil moisture sensor; ② soil temperature and humidity sensor; ③ soil temperature sensor; ④ light intensity sensor; ⑤ soil conductivity sensor; ⑥ soil pH sensor; ⑦ air temperature and humidity sensor; ⑧ carbon dioxide sensor; ⑨ formaldehyde sensor; ⑩ soil salinity sensor, etc. The types of sensors will continue to increase, so please pay attention.

The appearance specifications are shown in the figure below :



2. Features:

- (1) This machine has a compact design , a portable instrument housing , easy operation and beautiful design.
- (2) Chinese characters are used to display data intuitively, which is in line with the usage habits of Chinese people.
- (3) Special suitcase, light weight, convenient for field work.
- (4) One device can be used for multiple purposes and can connect to a variety of agricultural environmental sensors .
- (5) Easy to operate and simple to learn .
- (6) High measurement accuracy, reliable performance, ensuring normal operation and fast response speed.

3. Scope of application:

The agricultural environment measuring instrument is powerful and can be used in agriculture , forestry , environmental protection , water conservancy , meteorology and other industries that need to measure soil moisture, soil temperature, soil temperature and humidity, light intensity, carbon dioxide concentration, soil conductivity, air temperature and humidity, soil pH value, and formaldehyde concentration . It can meet the scientific research , production , teaching and other related work needs of the above industries.

4. How to use:

4.1 Main Interface

When the device is off, long press the "Back" and "Confirm" buttons to turn it on.

When the device is powered on, long press the "Back" and "Confirm" buttons to turn it off.



4.2 Menu interface

Press the confirm button and enter the password 01000 to enter the menu interface .



4.3.1 Collection mode setting

In the automatic acquisition state, press Return to lock the current parameter page (a lock icon appears on the interface), and press again to cycle through all parameters (the lock icon disappears).

In manual collection mode, press Return , Collect, long press, and Save.



4.3.2 Parameter display settings

In the single-screen display state, the parameter information of each parameter is displayed in turn, and in the list display state, the parameter information of each parameter is displayed simultaneously.



4.3.3 Recording Mode Settings

After setting the data storage interval, the handheld device enters low-power recording mode, the screen turns off, and you can choose to continue or stop the current mode by pressing any key.



4.3.4 Device Scan Settings

Scan the parameters of the sensor connected to the handheld device, press the confirmation key to start scanning, and the power key to return to the previous level.



4.3.5 System time setting

Press OK to enter the system time setting , you can reset the current time, and press the power button to return to the previous level .



4.3.6 Device address setting

Press OK to enter the device address setting , and press the power button to return to the previous level .



5. Maintenance and care:

This instrument is a technological product with excellent design and functional principle, and attention should be paid to maintenance and care. The following suggestions will help you use the maintenance service effectively.

- ◆ Prevent the instrument from being scratched, maintain the integrity of the external protective film, and increase the service life of the instrument.
- ◆ When using the instrument, please securely fix all connections to avoid damage to the instrument.
- ◆ Rough treatment of the instrument can damage internal circuit boards and delicate structures.
- ◆ Do not block the removable parts and holes of the instrument with debris, otherwise it will affect the normal use of the instrument.
- ◆ Use a clean, dry, soft cloth to clean the outside of the instrument.
- ◆ When the battery alarm sounds, please replace the battery or charge it in time to ensure the normal operation of the instrument.

6. Product Warranty:

The warranty period of the agricultural environment measuring instrument is one year. Within twelve months from the date of delivery, if the instrument fails due to quality problems (not caused by human damage), the user can present the product warranty card and our company will be responsible for free repair or replacement.