

SR9330

Handheld soil recorder

User Manual

File Version: V21.4.21



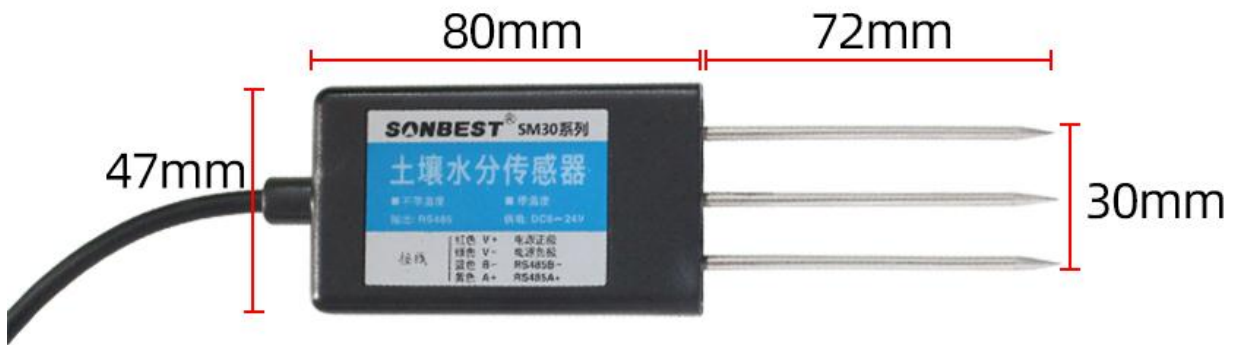
SR9330 using the standard USB, easy access to PLC, DCS and other instruments or systems for monitoring soil temperature, soil Moisture state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term stability, can be customized

RS232,RS485,CAN,4-20mA,DC0~5V\10V,ZIGBEE,Lora,WIFI,GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
Moisture Temperature range	-30°C~80°C
Moisture Temperature accuracy	±0.5°C @25°C
Moisture measuring range	0~100%
Moisture measuring accuracy	±3% @25°C
Communication Interface	USB
Default baud rate	9600 8 n 1
Power	DC3.3~4.2V
Storage	512000bits
Running temperature	-40~80°C
Working humidity	5%RH~90%RH

Product Size



Thick: 14mm

Application solution

KEY POSITION & SCREEN DISPLAY DESCRIPTION



ON: Power button

OFF: Shut down button

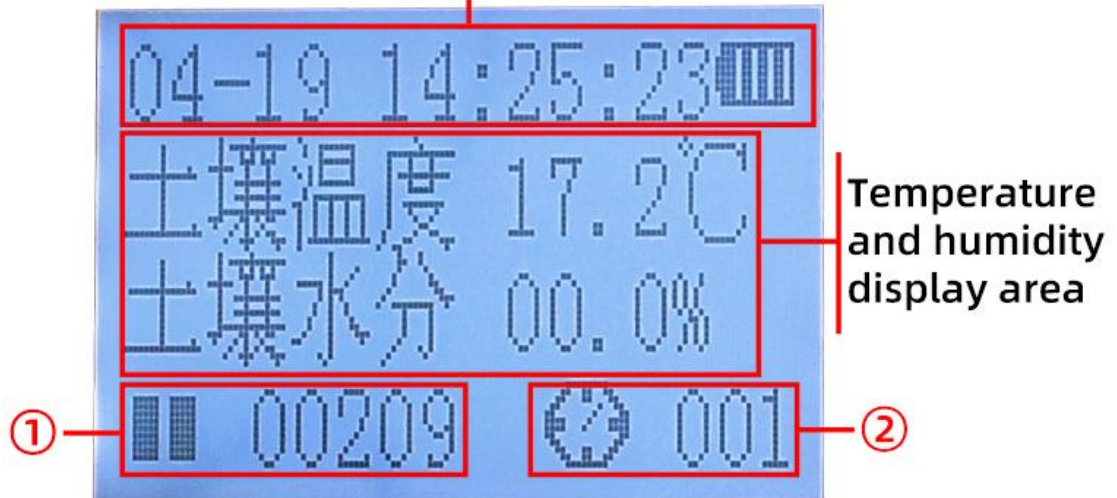
LIGHT: Backlight key

FUN: Measuring point type selection key

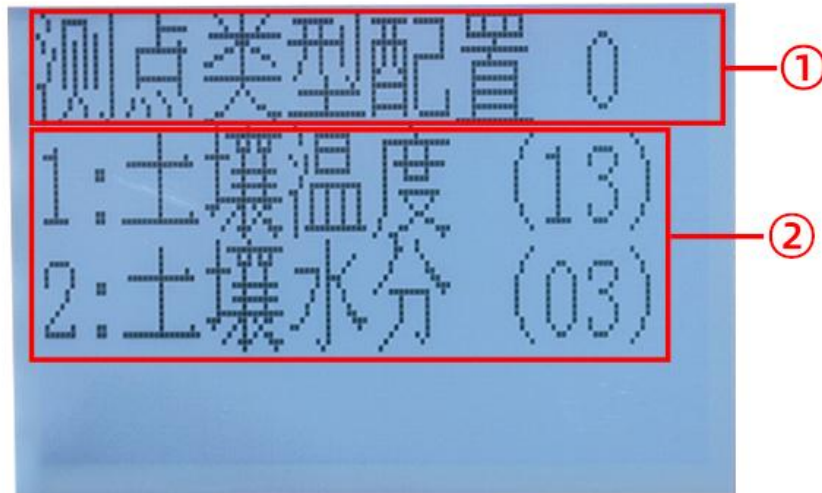
PAGE: Measuring point type configuration key

REC: Start/pause record & type switch

Current time & battery



- ① Record start/pause & record times display
Press the "REC" key and the pause icon on the left side turns into a circular icon and starts recording
Press the "REC" key again to turn the circular icon on the left side into a pause icon and stop recording
- ② Record time interval display (unit: s)
The display setting needs to be connected to the computer through a USB cable for setting



- ① Measuring point type configuration
(need to press "PAGE" to enter the setting)
When pressing the "FUN" key, the number on the measuring point type configuration can be switched back and forth between "1" and "2", the initial value is 0
- ② Measuring point selection
When using the "FUN" key to select the measuring point that needs to be changed, press the "REC" key to change the measuring point type
(※The measuring point has been adjusted to the corresponding configuration at the time of purchase, no need to modify)

Measurement methods



▶ Rapid measurement

Choose a suitable measurement location, avoid rocks, cut the surface soil according to the depth required for measurement, maintain the original tightness of the underlying soil, hold the sensor vertically and insert it into the soil, do not shake left and right when inserting, to ensure close contact with the soil



▶ Buried measurement method

Dig a pit with a diameter of about 20cm vertically, and insert the sensor needle into the pit horizontally according to the measurement needs, and fill the pit to ensure close contact with the soil. After the sensor is stable for a period of time, continuous long-term measurement and recording can be performed

How to use?



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