

## SR9632N

### Handheld soil recorder

### User Manual

File Version: V21.2.26



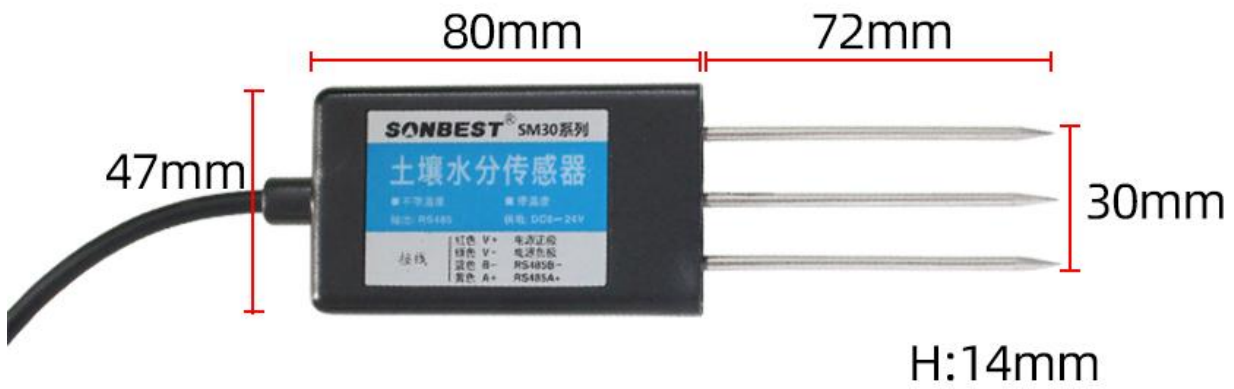
SR9632N using the standard ,easy access to PLC , DCS and other instruments or systems for monitoring soil temperature,soil Moisture state quantities.The internal use of high -precision sensing core and related devices to ensure high reliability and excellent long-term stability,can be customized

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

### Technical Parameters

Technical parameter	Parameter value
Moisture Temperature range	-30℃~80℃
Moisture Temperature accuracy	±0.5℃ @25℃
Moisture measuring range	0~100%
Moisture measuring accuracy	±3% @25℃
Communication Interface	USB(RS232 to USB)
USB cable length	1m
Support baud rate	115200
Charger current	500mA
Work current	<150mA
Power off current	<30uA
Power	DC3.3~4.2V
Storage	8M
Max Records	32768
Running temperature	-40~80℃
Working humidity	5%RH~90%RH

### Product Size



**Application solution**

# KEY POSITION & SCREEN DISPLAY DESCRIPTION



 :Networking key

 :Recording function keys

 :Power button

 :Shift

 :Up and down

SET :Set time & storage

 :Invalid

**Network connection status & signal size**

**Battery & current time**





T&H display area

①

②

③

- ① The upload interval can be set after connecting to the computer  
The storage interval can be set in the menu. The upper limit of the storage interval is 43199s
  - ②  Press the networking button here to become the color, and the NB module will be enabled in this color state and data can be uploaded
  - ③  Press the record function key here will become the color, and the local record function will be activated in this color state
- ③ Timing: After the timer is over, the current T&H value will be automatically recorded once  
Recording: Display the number of automatic records, the record limit is 32768



Year, month and day setting  
Adjust the position left and right  
Adjust the value up and down

Hours, minutes and seconds setting  
Adjust the position left and right  
Adjust the value up and down



Storage interval setting  
The upper limit can be set to  
43199 seconds/time

Start record serial number setting  
The upper limit can be set to 32768

# 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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