

## SZ2802

### Wireless soil moisture temperature sensor

#### User Manual

File Version: V23.7.3

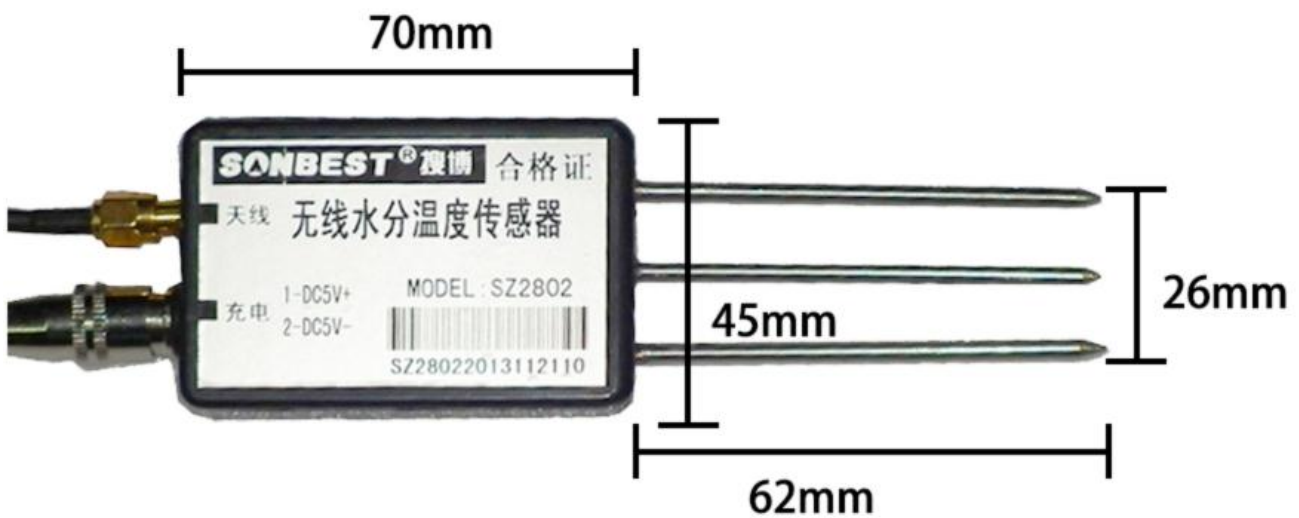


SZ2802 using the standard ZIGBEE Wireless Communication Interface, easy access to PLC, DCS and other instruments or systems for monitoring soil temperature, soil Moisture state quantities. The internal use of high-precision sensing core and related devices to ensure high reliability and excellent long-term 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	ZIGBEE
Radio frequency	2.4G ISM
Network Type	Star network
Network capacity	65535
Power	DC9~24V 1A
Running temperature	-30~85°C
Working humidity	5%RH~90%RH

**Product Size**



Power supply is positive	Red Core DC5-24 supply voltage positive
The power supply is negative	Green or black core DC5-24V input voltage negative
Positive voltage output	Blue Core RS485 B-
Voltage output negative	Yellow Core RS485 A+



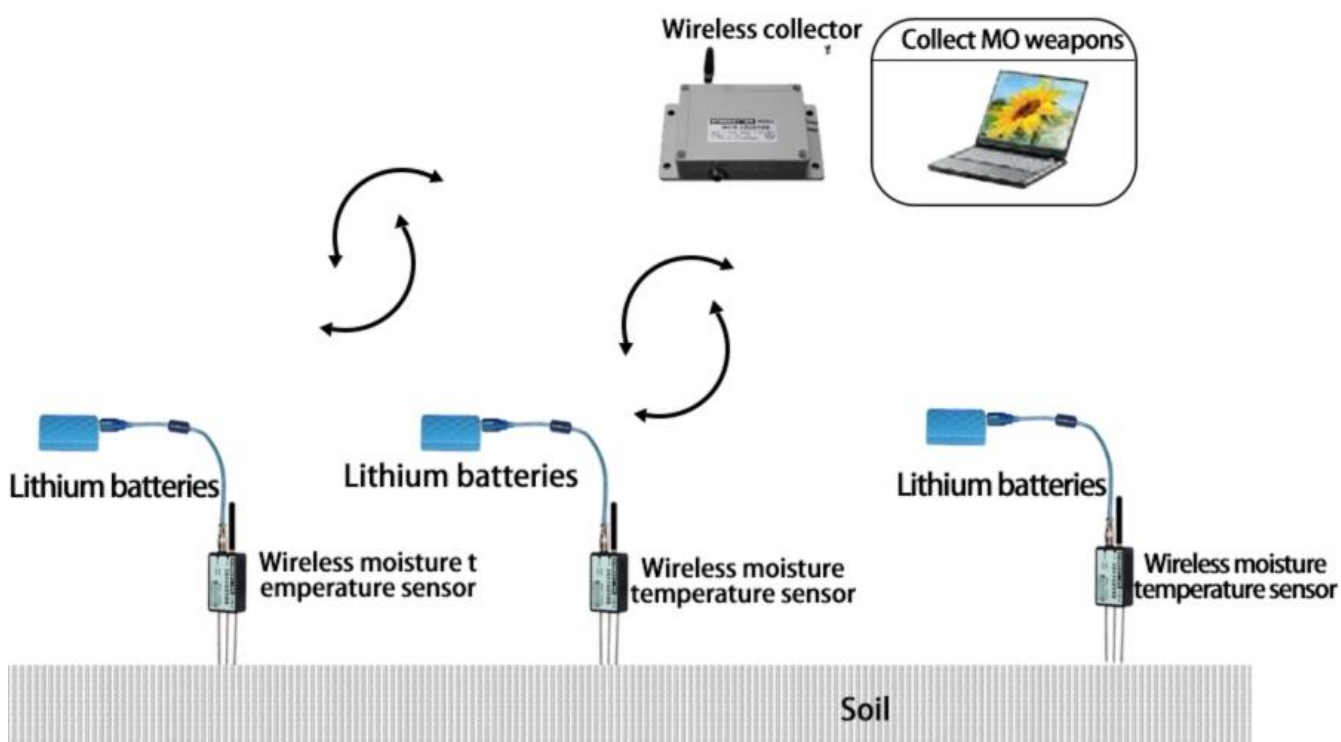
**Wiring instructions**

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

**How to use?**



**Application solution**



### Disclaimer

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