

# SOIL TESTING INSTRUMENT

## Multi-parameter Soil Moisture Temperature Meter

Model: TZS-1K /TZS-2X  
TZS-3X /TZS-5X

### ● Model difference

Model	Function
TZS-1K	Direct measure soil moisture content, and save in handset
TZS-2X	Measure soil moisture content, soil temperature, and save in handset
TZS-3X	Adding measure atmospheric temperature function based on TZS-2X
TZS-5X	Adding measure atmospheric moisture, dew point based on TZS-3X



### ● Sensors technical parameters

#### Soil temperature:

Unit: °C

Range: -40°C~120 °C

Accuracy: ±0.5°C

#### Atmospheric temperature:

Range: -40°C~100 °C

Accuracy: ±0.4 °C

Resolution: 0.1°C

#### Atmospheric moisture:

Range: 0~100%RH

Accuracy: ±3%RH

Resolution: 0.1%RH

#### Dew point:

Range: -40°C~120°C

Accuracy: ±0.4°

Resolution: ±0.1°C

#### Soil moisture content:

Unit: % (m³)

Range: 0~100%

Response time: ≤ 2s

Relative error: ≤3%

Standard cable length: 1.5 (customized: up to 1000m)

Optional: Measuring the moisture content of Deep soil,

Soil auger is recommended.

