Handheld Tester: Computer Software Operation Instructions

1. Install the Software

The software supports both English and Chinese. You can choose to install it in English.

2. After Installation

Once installation is complete, there is a default device. You can configure and import rule files on the default device, or you can delete the default device and create a new device by selecting Management and then choosing Create Device.

Management(<u>M</u>) Data(<u>2)</u> Window(<u>G</u>)	Tool(<u>T</u>)	Help(<u>H</u>)	
Device configuration	F	Real-time data	History data	Parameter configuration	
Create device Delete device	AoistureStation	ation Update tim		e	
User management Software working model Switch to Chinese — Historical data download	id lose ycle:0Minute10Second nload:Close d cycle:30Minute0Second	Soil moistu 100 mulaina 90 mulaina 80 mulain	re pspherio H 100 munipage 70 munipage 40 munipage 40 munipage 10 munipage -20 munipage -35 munipage -50 munipage	tempera	

Set the device name and choose the device type.

B.Weather station	Real-time data History data Parameter configur	ation	
Soil Handheld Tester Device type:HandHeldSoilMoistureStation Communication mode:Serial Communication state:Closed Real time data download.close Real time data download cycle:0Minute10Second Historical data timing download;Close Historical data download cycle:30Minute0Second	Update tme Soll noisture Soll noisture 00 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	s s o a	Download cycle:
	00 10 01 10 02 10 03 10 04 10 05 10 05 10 05 10 05 10 05 10 10 <	C) Device Device Elements Sensor parameters Communication File Device grouping: Weather staton Device name: Soil Handheld Tester Device type: HandHeldSolfMostureStation Perice type: HandHeldSolfMostureStation Hardware address: 1	X I moisture (%RH)
	100.00 90.00- 80.00- 70.00- 60.00- 50.00-	Remarka:	
	40.00-	Save Close	

3. Create Device

After creating the device, select Device Configuration.

Management(<u>M</u>)	Data(Q)	Window(G)		Tool(<u>T</u>)		Help(<u>H</u>)
	ootoo	R	eal-time data	History d	lata Parameter	configuration
Device type:H_ Communicati	Create device	10n [Up	date time		
– Communicati – Real time dat – Real time data – Historical data – Historical data	Delete device download cycle:0Mi timing download:Cld download cycle:30N	inute10Second ose Ainute0Second	Soil moistu 100 ruman 90 ruman 80 ruman 60 ruman 50 ruman 30 ruman 10 ruman 10 ruman 0 ruman 10 ruman	Are osph H 1	eric tempera 100 m degree 85 m degree 100	

4. Import Configuration File

Then go to the File tab and select Import Configuration File.

Soil moisture	ospheric temperat						
100	100 properties desgree 85 properties desgree 70 properties desgree 40 properties desgree 10 properties desgree		C Device	e I classeste	C		X
20	-20-		Device	Elements	Sensor parameters	Communication	File
Soil moisture Wave	Set upper a	and lower bounds:		Save the devi	ice's configuration informat	ion as a configuration	file. ile
100.007				Select a confi	guration file to load device	related settings from.	I п
90.00-						Load Configure File	•
80.00-							
70.00-							
60.00-							
50.00-							
40.00-							

For example, you may see configuration files like the 7in1 Configuration File or 8in1 Soil Handheld Tester_2025324115840 Configuration File.

7in1 configuration file.PHB	
8in1 Soil Handheld Tester_2025324115840.PHB	
282076236_2025324111756.PHB	
🔤 Handheld Tester Tutorial	
Setup English	
Soil Handheld Tester Profile.PHB	

Configuration File: After selecting the configuration file, return to the device.

5. Serial Port Settings

Move the mouse to the Communication Mode section, click Setting, and the Serial Port Setup page will pop up.

E Weather station Real-time data History data Parameter confi	iguration
Soil Handield Tester Device type-thandHeldSoilMoistureStation Communication modeSerial Communication state:Closed Real time data download cycle:0Minute10Second Historical data download cycle:30Minute0Second Historical data download cycle:30Minute0Second Soil moisture Wave Soil moisture Wave Soil moisture Wave Soil moisture Wave Soil moisture Wave	I bevice I bevice <td< td=""></td<>

Click Setting.

	I Device		×
	Device Elements Senso	or parameters Communication File	
	Device grouping: Weat	ther station	
	Device name: Soil H	landheld Tester	
	Device type: Weat	therStation(16Channnel)	
	Communication mode: Serial	Setting	
er bounds:	Hardware address: 1		
	Remarks:		l ter
	-		
	-		
			_

Select Serial Port:

Device grouping: Weather station
Data bits: 8
OK Cancel

How to Choose Serial Port?

1. You need to go to the Device Manager on your computer and find the port. Remember the

port number of the handheld tester you plugged in, for example, COM3, as shown in the screenshot below.



Once everything is set up correctly, select Historical Data and download the historical data to your computer for operation and analysis.

Manage	ment(M) Data(Q)	Windowi	(j) Tool(j)		telp(H)						
E Weather	station		Real-time data History	data Parameter	omfiguration						
 Soil Handbeld Texter Device type:WeatherStation(16Channel) Communication mode:Serial 			A total of 0 historical da	ta were							Download cycle: 30 Minute 0 Second Г Timed Download Download hatory data
-9	communication state:Closed		Update time	Soil temper	Soil moistur	Soil EC mg/L	pH	Soil N mg/L	Soil P mg/L	Soil K mg/L	
F	eal time data download cycle:0Minute1	Second									
- 1	listorical data timing download:Close										
	listorical data download cycle:30Minute	0Second									