

Bluetooth/USB Data Logger

USER'S MANUAL

Hantek 365A/B/C/D/E/F

V 1.0.3

www.hantek.com

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General Safety Summary

Review the following safety precautions carefully before operate the device to avoid any personal injuries or damages to the device and any products connected to it. To avoid potential hazards use the device as specified by this user's guide only.

- To Avoid Fire or Personal Injury.
- Correctly Plug in and Pull out. When the Data Logger probes are connecting to the voltage source, please do not plug in or pull out.
- Check All Terminal Ratings. To avoid fire or shock hazard, observe all ratings and markings on the product. Consult the product manual for further ratings information before making connections to the product.
- **Do Not Operate With Suspected Failures.** If suspected damage occurs with the device, have it inspected by qualified service personnel before further operations.
- Provide Proper Ventilation. Refer to the installation instructions for proper ventilation of the device.
- Do not operate in Wet/Damp Conditions.
- Do not operate in an Explosive Atmosphere.
- Keep Product Surfaces Clean and Dry.

Safety Information

In order to ensure the correct using and the best efficient service, please carefully read the user's manual.

System Symbols

These symbols may appear in this manual or on the Data Logger.



Warning: "Warning" identifies conditions and actions that pose hazards to the

users.



Caution: "Caution" identifies conditions and actions that may damage the product or other properties.





DANGER: Refer to High Voltage the manual



Protective Condutor Terminal



Chassis grand



Earth(grand) Terminal

System Terms

The following terms may appear on the Data Logger:

- **Danger:** The term "Danger" is used in the manual to indicate that when you read this mark, personal injury may be caused to immediately.
- **Warning:** The term "Warning" is used in the manual to indicate that when you read this mark, personal injury may not be caused to you immediately, but you need to be cautionary.

Notice: The term "Notice" is used in this manual to indicate that damages may be caused on this product or other properties.

Chapter 1 Getting Start

- General Check
- The User interface
- Install Software
- Install Driver

1.1 General Check

When you have got a new Hantek365 series Data Logger, it is suggested that you should perform a general inspection on the instrument according to the following steps:

• Check the shipping container for damage:

Keep the damaged shipping container or cushioning material until the contents of the shipment have been checked for completeness and the instrument has been checked mechanically and electrically.

• Check the accessories:

Accessories supplied with the instrument are listed in "Accessories" in this manual. If the contents are incomplete or damaged, please notify our distributor at your local area or the sales department.

• Check the instrument:

In case there is any mechanical damage or defect, or the instrument does not operate properly or fails performance tests, please notify our distributor at your local area or the sales department.

1.2 The User interface

Click the software icon on the desk after you finished the software setting and equipment connecting. Then a user interface will be showed as follows:



Description:

- 1. Data List
- 2. Description

DC: DC voltage/DC current measurement

AC: AC voltage/AC current measurement

- i Diode measurement

🥦: On-Off test

H: Capacitance measurement

- 3. Manual/Auto: Select manual or auto measurement type.
- 4. Measured value
- 5. Trend chart
- 6. Voltage button
- 7. Current button
- 8. Resistance button
- 9. Diode button

- 10. On-Off test
- 11. Capacitance button
- 12. Temperature measurement
- 13. DC: click DC to switch to AC.
- 14. Auto: Click Auto to switch to Manual mode
- 15. Relative Measurement
- 16. Stop/Run: Stop or start acquire data
- 17. Help menu
- 18. Data Interval: 1s~100s
- 19. Save data
- 20. Clear data list

1.3 Install Software

Caution: You must install the software before using the Data Logger.

1. While in Windows, insert the installation CD into the CD-ROM drive.

2. The installation should start up automatically. Otherwise in Windows Explorer, switch to the CD-ROM drive and run Setup.exe.



3. The software Installation is started. Click 'Next' to continue.



4. Choose a Setup Type directory. Click 'Next' to continue.

🔏 Hantek365 Verl. 0. 0. 0	N 100 100 100 100 100 100 100 100 100 10
Destination Location	
Setup will install Hantek365 Ver1.0.0.0 i	n the following folder.
To install into a different folder, click Bro	wse, and select another folder.
You can choose not to install Hantek36	5 Ver1.0.0.0 by clicking Cancel to exit Setup.
Destination Folder	
C:\Program Files\Hantek365	Browse
Wise Installation Wizard?	< Back Next > Cancel

🔏 Hantek365 Ver1.0.0.0	
Start Installation	
You are now ready to install Hantek38	5 Ver1.0.0.0.
Click the Next button to begin the inst information.	allation or the Back button to reenter the installation
Wise Installation Wizard?	< <u>B</u> ack <u>Next</u> Cancel

5. Check the setup information. Click Next to start copying of Files.

Hantek365 Ver1.0.0.0	
Installing	
Current File Copying file: C:\WINDDWS\inf\Hantek365.inf	
All Files Time Remaining 0 minutes 0 seconds Wise Installation Wizard?	<back next=""> Cancel</back>

6. Updating System Configuration.



7. The installation is complete.



1.4 Install Driver

1. Connect the A-Type Plug of USB cable to your PC'S USB port.



2. Connect the B-Type Plug of USB cable to Hantek365's USB port.



3. New hardware is found.



4. New hardware search wizard starts.

Found New Hardware Wiz	ard
	This wizard helps you install software for: Hantek xxx DRIVER
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do? <u>Install the software automatically (Recommended)</u> <u>Install from a list or specific location (Advanced)</u>
	Click Next to continue.

5. New hardware search wizard starts to search the driver.

Found New Hardware Wizard
Please choose your search and installation options.
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM)
 Include this location in the search: <u>cuments and Settings\Administrator\Desktop\Driver</u> <u>D</u>on't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your bardware.
Cancel

Found New Hardware Wizard				
Please wait while the wizard searches				
Hantek xxx DERIVER				
	C Back Nevts	Cancel		
		Jancei		

6. New hardware wizard installs "DRIVER".

Found New Hardware Wizard	
Please wait while the wizard installs the software	
Setting a system restore point and backing up old files in case your system needs to be restored in the future.	
< Back Next > Cancel	

7. The wizard has finished installing for "DRIVER".

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Hantek XXXX DERIVER
	Click Finish to close the wizard.
	KBack Finish Cancel

1.5 Communication with Bluetooth (Hantek365C/D)

1. Inset the Bluetooth adapter to PC USB port. After waiting for several seconds, install the bluetooth driver automatically. Open the computer control panel; you will see the bluetooth icon on the lower right corner of the computer.



2. Press the switch, and the red light will be on. Double-click the bluetooth icon ion the lower right corner of the computer, and click "Add a device", select "HC-06".

		x
G	Add a device	
	Select a device to add to this computer	
	Windows will continue to look for new devices and display them here.	
	DALU-PC Bluetooth Desktop computer	
	What if Windows doors't find my dovice?	
	Next Cance	

3. Next, and input the pairing code "1234", the device will be successfully added to the computer.



4. Right click "HC-06" icon to look up HC-06 Properties. On the Hardware bar you will check and remember the COM port number what the bluetooth device uses.

C HC-06 Properties	×
General Hardware Services Bluetooth	
HC-06	
Device Functions:	
Name	Туре
Standard Serial over Bluetooth link (COM3)	Ports (COM
Device Function Summary	
Location: on Bluetooth Device (RFCOMM P	rotocol TDI)
Device status: This device is working properly.	
	Properties
ОКС	ancel <u>Apply</u>

 Run "Hantek365 USB", there will have a prompt "No usb device was found", and please click "OK". Now please click "Stop", and select connection mode to "RS232". Set Port to the COM port number. Then click "open", the software will work normally.



Auto						Due	Index	Time	Value
		DC				Run	1	13/07/2017 15:21:37	96.500mV
							2	13/07/2017 15:21:35	96.500mV
							3	13/07/2017 15:21:35	96.600mV
							4	13/07/2017 15:21:34	96.700mV
							5		
		i 🚺					6		
						V	7		
							8		
luulu	11						9		
							10		
0 5	10 15	20 25	30 35	40 4	5 50	55 60	11		
0 5	10 15	20 23	30 33	40 4	0 00	55 00	12		
						1 600.0mV	13		
							14		
							15		
							16		
							17		
							18		
							19		
						. dia angle dia	20		
					42/07/2	17.45.24	21		
		lime:	min)		13/07/20	017 15:21	•	111	•

1.6 Communication with Bluetooth (Hantek365E/F)

 Inset the Bluetooth adapter to PC USB port. After waiting for several seconds, right click the unknown device in the device manager to install the Bluetooth driver manually. Download the Bluetooth driver on our website: <u>http://hantek.com/en/ProductDetail 9 156.html</u>

🔛 Computer Management			
File Action View Help			
	R 🕅 🦉 🖓		
🔚 🔚 Computer Management (Local	▲ · ♣ WIN-4C2G4R0CC2T		Actions
a 🎁 System Tools	b atteries		Device Manager
Description: De	👂 🚛 Computer		Mars Artises
Event Viewer	Disk drives		Nore Actions
Shared Folders	Display adapters		
b See Local Users and Groups	DVD/CD-ROM dri	ves	
Performance	Floppy disk drives	;	
Device Manager	Floppy drive cont	rollers Devices	
Storage Storage Disk Management		Devices	
Services and Applications	Keyboards	Shtroners	
betwees and Applications	Memory devices		
	Mice and other p	pinting devices	
	Monitors	2	
	Network adapters		
	Other devices		
	🦣 Unknown dev	ice	
	Ports (COM 8	Update Driver Software	
	Processors	Disable	
	Sound, video	Uninstall	
	Storage conti		
	System devic	Scan for hardware changes	
	p ·· • • • • • • • • • • • • • • • • • •	Properties	
۰			
Disables the selected device.	7		*

G	Update Driver Software - TI CC2540 USB CDC Serial Port (COM3)	×	
	Windows has successfully updated your driver software		
	Windows has finished installing the driver software for this device:		
	TI CC2540 USB CDC Serial Port		
		Close	

🔄 Computer Management		
File Action View Help		
	R 🖟 🧏 🖏	
🜆 Computer Management (Local	⊿ 🛁 WIN-4C2G4R0CC2T	Actions
A 💦 System Tools	Batteries	Device Manager
> () Task Scheduler	Difference Computer	More Actions
Event Viewer	Disk drives	More Actions 7
Shared Folders	Display adapters	
Performance	Eloppy disk drives	
Device Manager	Floppy drive controllers	
🔺 🚝 Storage	Human Interface Devices	
🔤 Disk Management	De ATA/ATAPI controllers	
Bervices and Applications	Keyboards	
	Memory devices	
	Mice and other pointing devices	
	Monitors	
	Network adapters Devices	
	Portable Devices Ports (COM & LPT)	
	Communications Port (COM1)	
	TI CC2540 USB CDC Serial Port (COM3)	
	Processors	
	Sound, video and game controllers	
	Storage controllers	
	⊳ n∰ System devices	
<	Universal Serial Bus controllers	

- 2. Press the power button of the Hantek365 to open. Now, view the indicator of the Bluetooth, when the indicator stops flashing, the connection between Hantek365 and Bluetooth adapter is successful.
- 3. Open the Hantek365 software, there will have a prompt "No usb device was found", and please click "OK".



4. Now click "Stop", and select connection mode to "RS232". Set the port to the COM port number of the Bluetooth.

Hantek365 Ver 1	0.0.4			- • ×
		Stop	Time	Value 🔺
Auto	DC	1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
0 5	10 15 20 25 30 35 40 45 50	55 60 11		
		12		
		60.00mV 13		
		14		
		15		
		< − 0 16		
		1/		
		18		
		19		
-10	-7 -5 -2 +0	-60.00mV 20		
	Time:(min) 13/07/201	7 15:02		T
				•
v	A OHM Diode CONTI CAP	T The records only the lass the trend d	er can record 120000 test 1200 points will hart and list.	points totally, but be displayed on
DC	Auto IJ∕∆ ⊙ USB ⊚ RS232	Help Da	ata Interval 0.5 S	•
	Port COM3	Run	ar List	Save Data

5. Then click "open", the communication is successful.

Hantek365 Ver 1.0.0.4				x
	Index	Time	Value	
Auto DC Run	1	13/07/2017 15:00:52	162.900mV	
	2	13/07/2017 15:00:51	163.000mV	-
	3	13/07/2017 15:00:51	163.100mV	-
	4	13/07/2017 15:00:50	163.200mV	
	5	13/07/2017 15:00:49	163.400mV	
	6	13/07/2017 15:00:48	163.600mV	
	7	13/07/2017 15:00:48	163.600mV	
	8	13/07/2017 15:00:47	163.700mV	
l hudundu	9	13/07/2017 15:00:46	164.000mV	
	10	13/07/2017 15:00:45	164.200mV	
0 5 10 15 20 25 30 35 40 45 50 55 60	11	13/07/2017 15:00:44	164.300mV	
	12	13/07/2017 15:00:43	164.500mV	
	13	13/07/2017 15:00:43	164.500mV	
	14	13/07/2017 15:00:42	164.700mV	
	15	13/07/2017 15:00:41	164.800mV	
	16	13/07/2017 15:00:40	165.000mV	
	17			_
	18			
	19			-
10 7 5 2 +04	20			_
Time://min) 13/07/2017 15:00	21			-
	•		+	
V A OHM Diode CONTI CAP T The recorder can record 120000 points totally, but only the lastest 1200 points will be displayed on the trend chart and list. DC Auto IVA USB IVA Help				
Port COM3 v Close Stop	(Clear List	Save Data	

Attention:

- 1. Make sure that the battery has enough power, otherwise the communication is unstable.
- 2. Computer built-in Bluetooth can not communicate with Hantek365E/F. And the Bluetooth adapter must be purchased from us to use. Bluetooth adapter purchased by users from other sources can not be able to connect.

Chapter 2: Operating Data Logger

The user should know how to determine the system setup from the status bar of a Data Logger. This chapter will give guides to show how to use the menus and perform basic measurements.

- Making Voltage Measurement
- Making Current Measurement
- Measuring Resistance Values
- Making a Diode Measurement
- Making a Capacitance Measurement
- Selecting Automatic/Manual Range Adjustment
- Taking a Relative Measurement
- Temperature Measurement

2.1 Making Voltage Measurement

1. Making a DC Voltage Measurement

To measure a DC voltage, follow these steps:

- 1. Click the "V" key and DC appears at the top of the screen.
- 2. Connect the black lead into the COM banana jack input and the red lead into the V/Ω/C banana jack input.
- 3. Connect the red and black leads to the measured points and the voltage value of measured points is displayed on the screen.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-1

Then, the following figure will be displayed:



Figure 2-2 DC Voltage Measurement

Save Data

Save data as .txt.

Clear List: Clear the right data list.



E Get users' help.

Data Interval 2.5 Cet data interval 1s, 2s, 5s, 10s.

2. Making an AC Voltage Measurement

To measure the AC voltage, follow these steps:

1) Click the "V" key and DC appears on the screen.

2) Click "DC" key and AC appears on the screen.

3) Connect the black lead into the COM banana jack input and the red lead into the V/ Ω /C banana jack input.

4) Connect the red and black leads to the measured points and the AC voltage value of measured points will be displayed on the screen.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-3

Then, the following figure will be displayed:



Figure 2-4 AC Voltage Measurement

The user can select Auto measure and Manual measure. Voltage range can be set 60.00mV, 600.0mV, 6.000V, 60.00V, 600.0V.

2.2 Making Current Measurement

1. Making a DC Current Measurement

To measure a DC current which is less than 600mA, follow these steps:

1) Click the "A" key and then "DC" appears on the screen. The unit on the main reading screen is "mA". Click "A" key to switch the measurement between mA and A. The default is 600mA. Click "Auto" key to switch the measurement range from 60mA to 600mA.

2) Connect the black lead into the COM banana jack input and the red lead into the mA banana jack input.

3) Connect the red and black leads to the measured points and the DC current value of measured points will be displayed on the screen.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-5

Then, the following figure will be displayed on the screen:



Figure 2-6 DC current Measurement for 600mA

To measure a DC current which is larger than 600mA, follow these steps:

1) Click the "A" key and then "DC" appears on the screen. The unit on the main reading screen is mA.

2) Click "A" key to switch to 10A measurement, the unit on the main reading screen is A.

3) Connect the black lead into the COM banana jack input and the red lead into the 10A banana jack input.

4) Connect the red and black leads to the measured points and the DC current value of the measured points will be displayed on the screen.

5) Click "A" to return to 600mA measurement.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-7

Then, the following figure will be displayed on the screen:



Figure 2-8 DC current Measurement for 10A

2. Making an AC Current Measurement

To measure an AC current which is less than 600mA, follow these steps:

1) Click the "A" key and then "DC" appears on the screen. The unit on the main reading screen is "mA", and "mA" will display on the screen, Click "mA" to switch the measurement between mA and

10A. The default is 600mA.

2) Click "DC" key and AC will display on the screen.

3) Connect the black lead into the COM banana jack input and the red lead into the mA banana jack input.

4) Connect the red and black leads to the measured points and the AC current value of measured points will be displayed on the screen.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-9

Then, the following figure will be displayed on the screen:



Figure 2-10 AC current Measurement for 600mA

To measure an AC current which is larger than 600mA, follow these steps:

1) Click the "A" key and then "DC" appears on the screen. The unit on the main reading screen is mA.

2) Click the "DC" key and then "AC" appears on the screen.

3) Click "mA" key to switch to10A measurement, the unit on the main reading screen is A.

4) Insert the black lead into the COM banana jack input and the red lead into the 10A banana jack input.

5) Connect the red and black leads to the measured points and the AC current value of the

USER'S MANUAL

measure points will be displayed on the screen.

6) Click "A" to return to 600mA measurement.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-11

Then, the following figure will be displayed on the screen:



Figure 2-12 AC current Measurement for 10A

2.3 Measuring Resistance Values

To measure a resistance, follow these steps:

1) Click the "OHM" key and then resistance measurement window appears on the screen.

2) Connect the black lead into the COM banana jack input and the red lead into the V/ Ω /C banana jack input.

3) Connect the red and black test leads to the resistor. The resistance value is shown on the screen in Ohm.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-13

Then, the following figure will be displayed on the screen:



Figure 2-14 Resistance Measurement

2.4 Making a Diode Measurement

To make a measurement on the diode, follow these steps:

1) Click the "Diode" key and a diode symbol appears at the top of the screen.

2) Connect the black lead into the COM banana jack input and the red lead into the V/ Ω /C banana jack input.

3) Connect the red and black leads to the diode and the voltage value of the diode is displayed on the screen in volt.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-15

Then, the following figure will be displayed on the screen:



Figure 2-16 Diode Measurement

To perform an On-Off test, follow these steps:

1) Click the "CONTI" key and then On-Off indictor appears on the top of the screen.

2) Connect the black lead into the COM banana jack input and the red lead into the V/ Ω /C banana jack input.

3) Connect the red and black leads to the tested points. If the resistance value of the test points is less than 10 Ω , you will hear beep sound from the test tool.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-17

Then, the following figure will be displayed on the screen.



Figure 2-18 On-Off Measurement

2.5 Making a Capacitance Measurement

To measure a capacitance, follow these steps:

1) Click the "CAP" key and a capacitor symbol appears on the top of the screen.

2) Connect the black lead into the COM banana jack input and the red lead into the V/ Ω /C banana jack input.

3) Connect the red and black leads to the capacitor and the capacitance value is displayed on the screen in μ F or nF.

Connect Data Logger probes(HT325) with Hantek365 as illustrated in the following figure:



Figure 2-19

Then, the following figure will be displayed on the screen.



Figure 2-20 Capacitance Measurement

2.6 Selecting Automatic/Manual Range Adjustment

The default range mode of the instrument is automatic range. If you are using the DC/AC mode, to switch to the manual range, do these steps:

1) Click "Auto" key to enter the manual range mode and then Manual is displayed on the top of the screen.

2) Under the manual range mode, the measuring range is increased by a stage, Click "Auto" to switch manual.

3) Click "Manual" key to switch back to the automatic range mode and then Auto is displayed on the top of the screen.

Attention: capacitance measurement without manual range mode.

2.7 Taking a Relative Measurement

A currently measured result relative to the defined reference value is displayed in a relative measurement.

The following example shows how to take a relative measurement. At first, it is required to acquire a reference value.

1) Click the V/A/OHM/CAP key.

2) Connect the black lead into the COM banana jack input and the red lead into the V// Ω /C banana jack input.

3) Connect the red and black test leads to the tested device. The value is shown on the screen.

4) Click key then *key then key then key be a set of the screen.* The saved reference value is displayed beside.

Then, the following figure will be displayed on the screen.



Figure 2-21 Relative Measurement

2.8 Temperature Measurement

The series of Bluetooth/USB Data Logger can measure temperature.

1) Click the T key.

2) Connect the black lead into the mA banana jack input and the red lead into the V// Ω /C banana jack input.

3) Connect the red and black test leads to the tested device. The value is shown on the screen.







Connect the thermocouple sensor of the metal parts with the tested device. Then, the following figure will be displayed on the screen.

Figure 2-23 Temperature Measurement

Click C key to switch to Fahrenheit. And Click F key to switch to Celsius.

Chapter 3: Appendix

- Appendix A: Specifications
- Appendix B: Accessories
- Appendix C: General maintenance

Appendix A Specifications

Specification:

Data Logger Mode	
Maximum Resolution	6000 Counts
DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity
Maximum Input Voltage	AC: 600V DC: 800V
Maximum Input Current	AC: 10A DC: 10A
Input Impedance	10ΜΩ

Data Logger Specification

Function	Range	Accuracy	Resolution	
	60.00mV		10uV	
	600.00mV		100uV	
	6.000V	10(1 diat	1mV	
DC voltage	60.00V		10mV	
	600.0V		100mV	
	800V		1V	
	60.00mV		10uV	
	600.0mV		100uV	
AC Voltage	6.000V	±1%±3 digit	1mV	
	60.00V		10mV	
	600.0V		100mV	
	60.00mA	±1.5%±1 digit	10uA	
DC Current	600.0mA	±1%±1 digit	100uA	
DC Current	6.000A	1 5% 2 digit	1mA	
	10.00A		10mA	
	60.00mA	±1.5%±3digit	10uA	
AC Current	600.0mA	±1%±1 digit	100uA	
AC Current	6.000A		1mA	
	10.00A	±1.5%±3digit	10mA	
	600.0Ω	±1%±3digit	0.1Ω	
	6.000KΩ		1Ω	
	60.00KΩ		10Ω	
Resistance	600.0KΩ	±1%±1digit	100Ω	
	6.000MΩ		1ΚΩ	
	60.00MΩ	±1.5%±3digit	10ΚΩ	
	40.00nF		10pF	
	400.0nF		100pF	
Capacitance	4.000uF	19/ 1 digit	1nF	
	40.00uF		10nF	
	400.0uF		100nF	
	Attention: The smallest capacitance value that can be measured is 5nF.			
Temperature	100℃~1000 ℃	+2%+3digit	1°C	
Temperature	0~100 ℃		0.1 ℃	

	-200°C~0	1℃
Diode	0V~2.0V	
On-Off Test	<10Ω	

Difference:

Туре	Bluetooth	Lithium battery	RMS	Optional Accessory	
Hantek365A	-	-	-	-	
Hantek365B	-	-	Yes	-	
Hantek365C	Yes①	Yes	-	-	
Hantek365D	Yes①	Yes	Yes	-	
Hantek365E	Yes2	Yes	-	LISB Blueteeth Adapter	
Hantek365F	Yes ²	Yes	Yes		

1 Connect the device with windows PC via Bluetooth with Bluetooth adapter.

2 Connect with iPad via Bluetooth directly. Support the third generation or higher versions, and all series of iPad mini.

Connect the device with windows PC via Bluetooth with Bluetooth adapter.

Appendix B: Accessories

Standard accessories

- Data Logger Probes x 2
- A USB Cable
- A PC software CD of the Data Logger
- A Thermocouple Sensor

Optional accessory

Bluetooth adapter(Optional accessory for Hantek365E and Hantek365F)

Appendix C: General Maintenance

General Care

Do not store or leave the Data Logger where the device will be exposed to direct sunlight for long periods of time.

Caution

To avoid damages to the device or probes, do not expose them to sprays, liquids or solvents. To avoid damages to the surface of the device or probes not use any abrasive or chemical cleaning agents.

Cleaning

Inspect the device and probes as often as operating conditions require. Make sure the device disconnect form all power sources.

To clean the exterior surface, perform the following steps:

1. Remove loose dust on the outside of the Data Logger and probes with a lint-free cloth to avoid scratching the clear glass display filter.

2. Use a soft cloth dampened with water to clean the device.