EN

CE UKCA IVD

REF MBI92

eStation II

User's Manual

MICROPOINT

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1.Product Introduction

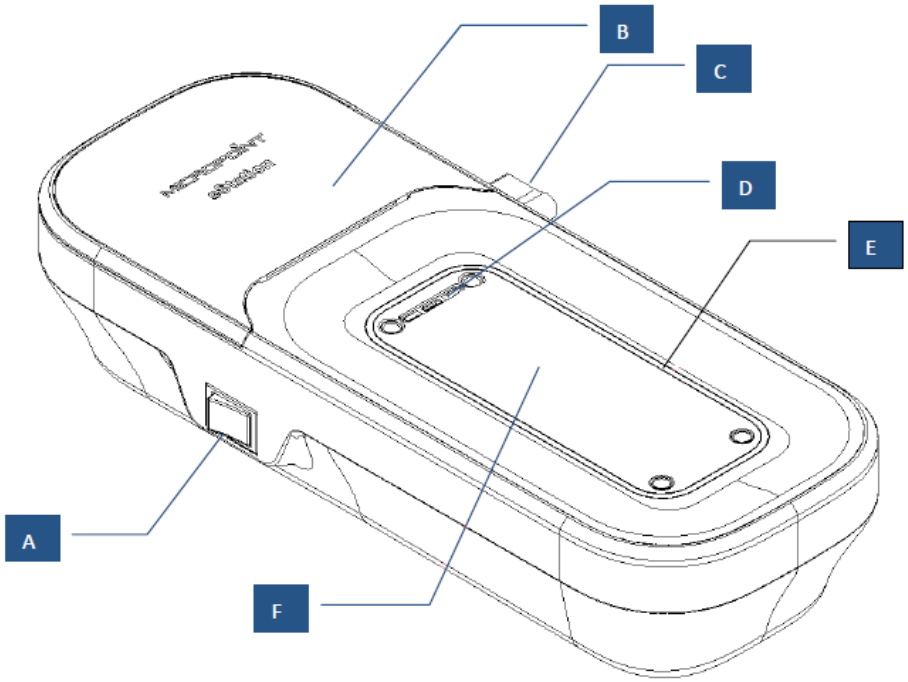
1.1.Intended Use

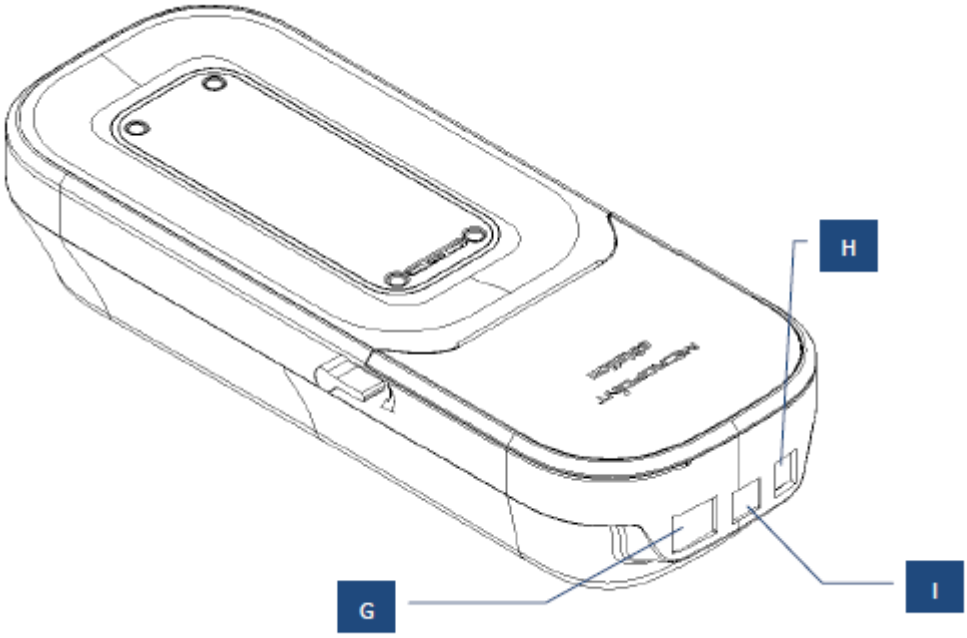
The eStation II is a base (“Base”) which can be used with the qLabs Electrometer with REF number Q-3, Q-3 Pro, Q-3 Plus and QV-3 Plus (“Meter”) for testing Coagulation assay manufactured by Micropoint Biotechnologies Co., Ltd. (“Micropoint”) to provide extended functions such as power supply, printing and data transmission etc.

1.2.List of Accessories

- 1x Power adapter
- 1x USB cable
- 1x Thermal paper (Φ 50 x 58 mm)
- 1x USB Flash Driver (With User Manual)

2.Product Overview





A. ON-OFF Button

The ON-OFF button controls the power supply of the Base.

B. Printer Cover

Open the printer cover to replace the thermal paper.

C. Printer Cover Button

Rotate this button to open the printer cover.

D. Charging Port

The charging port will charge the Meter. The built-in magnetic interface will automatically position the Meter for proper alignment.

E. Blue Ring Light Strip

The blue ring light strip indicates the working condition of the Base and the connection status between the Base and the Meter. Constantly illuminated light strip indicates the Base is powered on and Bluetooth is connected correctly. The light strip flashes, indicating the Base is powered on but Bluetooth is not connected or interrupted; If the ring light strip is flashing, it indicates that the software is updating now and the process will last for about one minute. Do not turn off the power.

F. Charging Port Slot

Charge the Meter by placing into this slot.

G. Network Port

The network port enables data transmission by direct connection to a computer. Data transmission and software upgrade via computer data management software. Directly connect for LIS/HIS to realize data transmission.

H. Power Interface

Connection port of the AC adapter.

I. Serial Port

Directly connect the serial port to a computer, and then set the Base network port, upgrade the Base software and transmit data externally via data management software of the computer.

3.Precautions and Warnings

eStation II is a base intended for use with the meter to provide extension functions such as power, print and data transfer. Some environmental factors and incorrect operation will cause eStation II unable to run effectively and report correct results. Please read this manual carefully before use and should strictly abide by it.

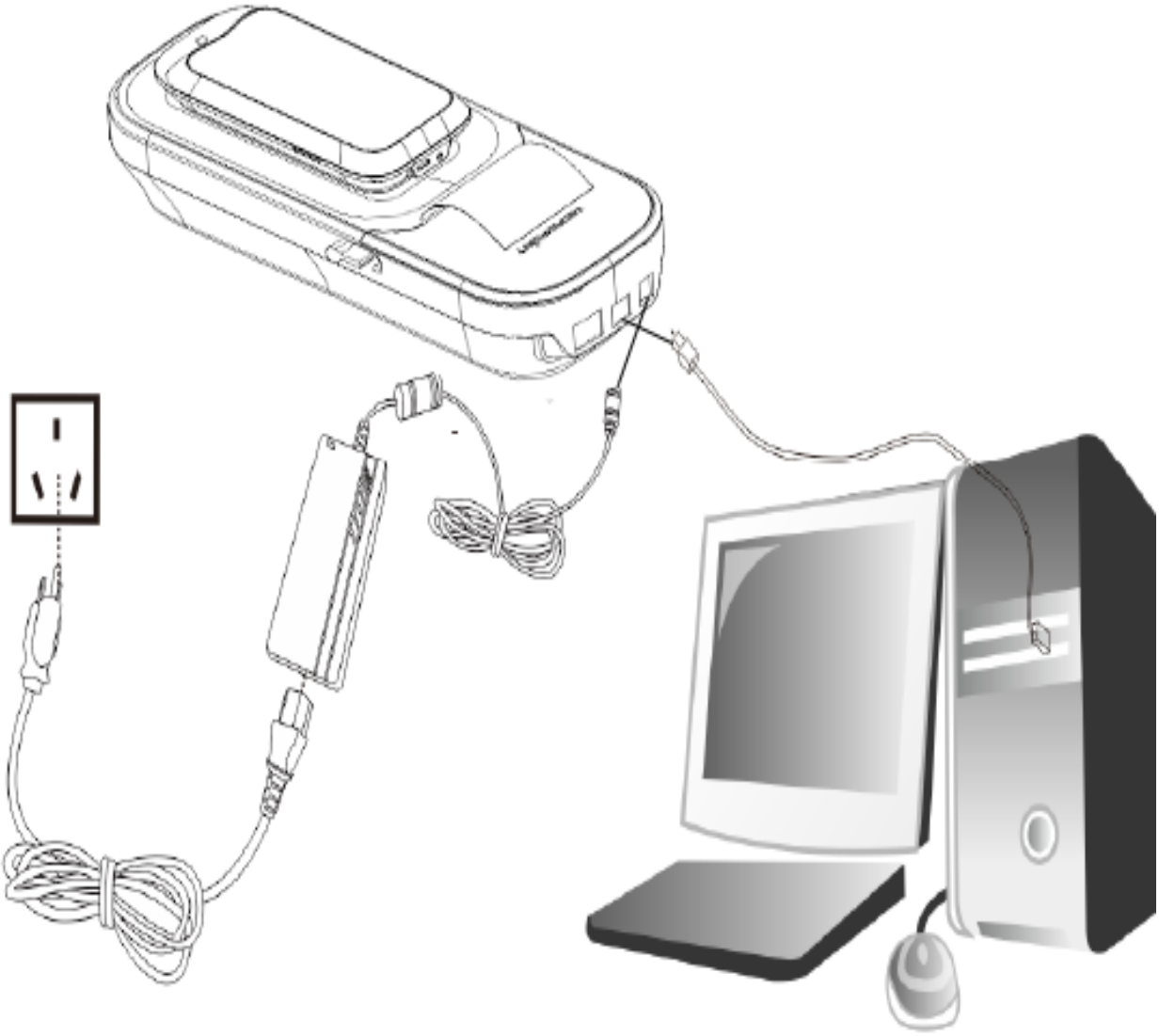
- Please use the device in accordance with the method specified by Micropoint, failure to do so may damage the protection provided by the device.
- The device is a delicate instrument and should be handled with care. Dropping or other mishandling may cause malfunction.
- Do not disassemble the device.
- Do not use this device in a place with high frequency vibration.
- When connecting the power supply or any other external power, care should be taken to avoid electric shock.
- Do not use the device in an environment below 10 °C or above 35 °C and humidity greater than 90%.
- Do not use the device in a dry environment, especially in the presence of synthetic materials such as synthetic clothing, carpets, etc. Failure to do so may cause damaging electrostatic discharges.
- Do not use the device where aerosol droplets are present or where oxygen is being controlled.
- Do not use this device outdoors.
- Do not use the device near mobile phones or wireless phones, walkie-talkies, garage door openers, radio transmitters, or other electronic devices. The source of these electromagnetic radiation may interfere with proper operation of the device.
- Strict surveillance should be performed when the device is used by or used for children, persons with disabilities, patients or is used near them.
- Do not place the device in a location where it is difficult to remove the adapter. If a malfunction occurs, the operator should immediately remove the adapter.
- If the device is abnormal or damaged (such as the adapter or power cord is damaged), please stop using the device immediately.
- Other operations are prohibited during use.

4.Installation Instructions

4.1.Connect the Base

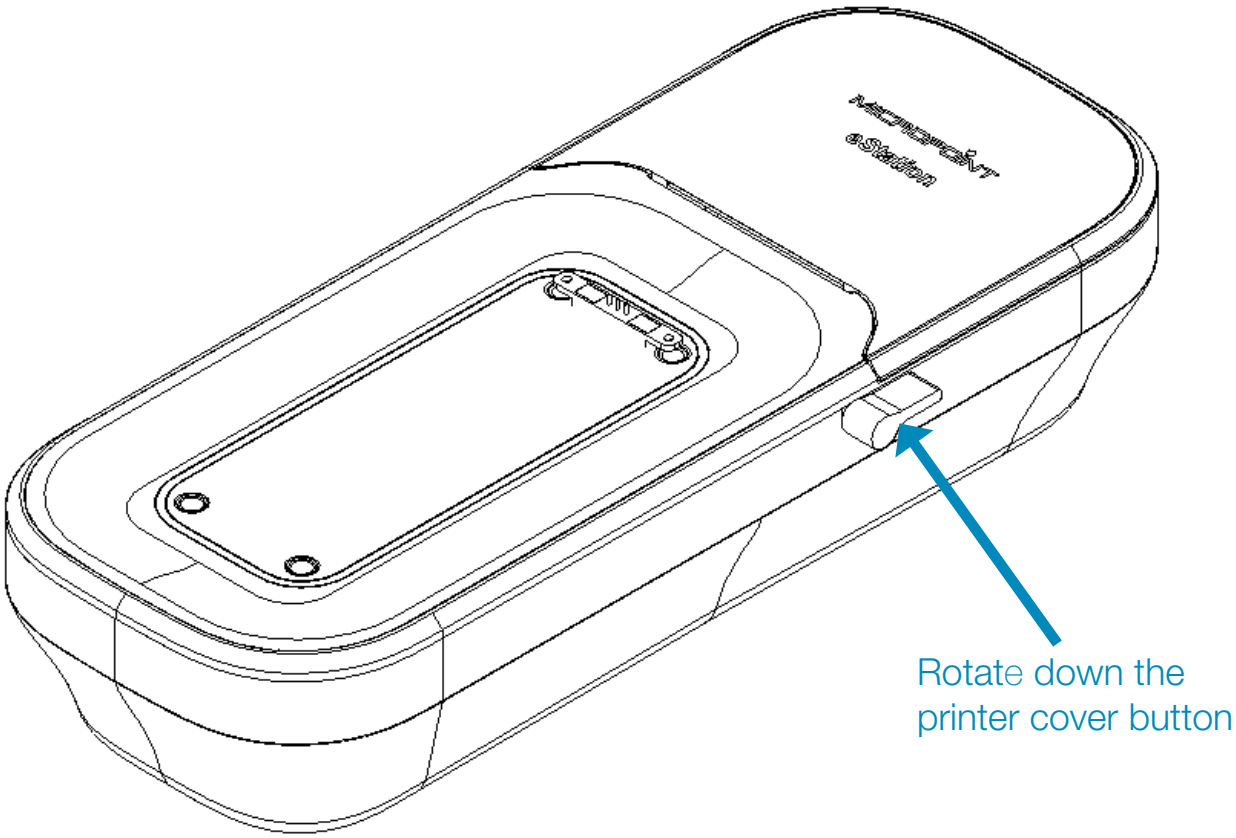
1). Connect the Base to the AC power supply with the power adapter supplied with the Base (For detailed specification, please see the working voltage in Chapter 6).

2). Connect the Base to the USB port on the PC with the USB cable supplied with the Base.

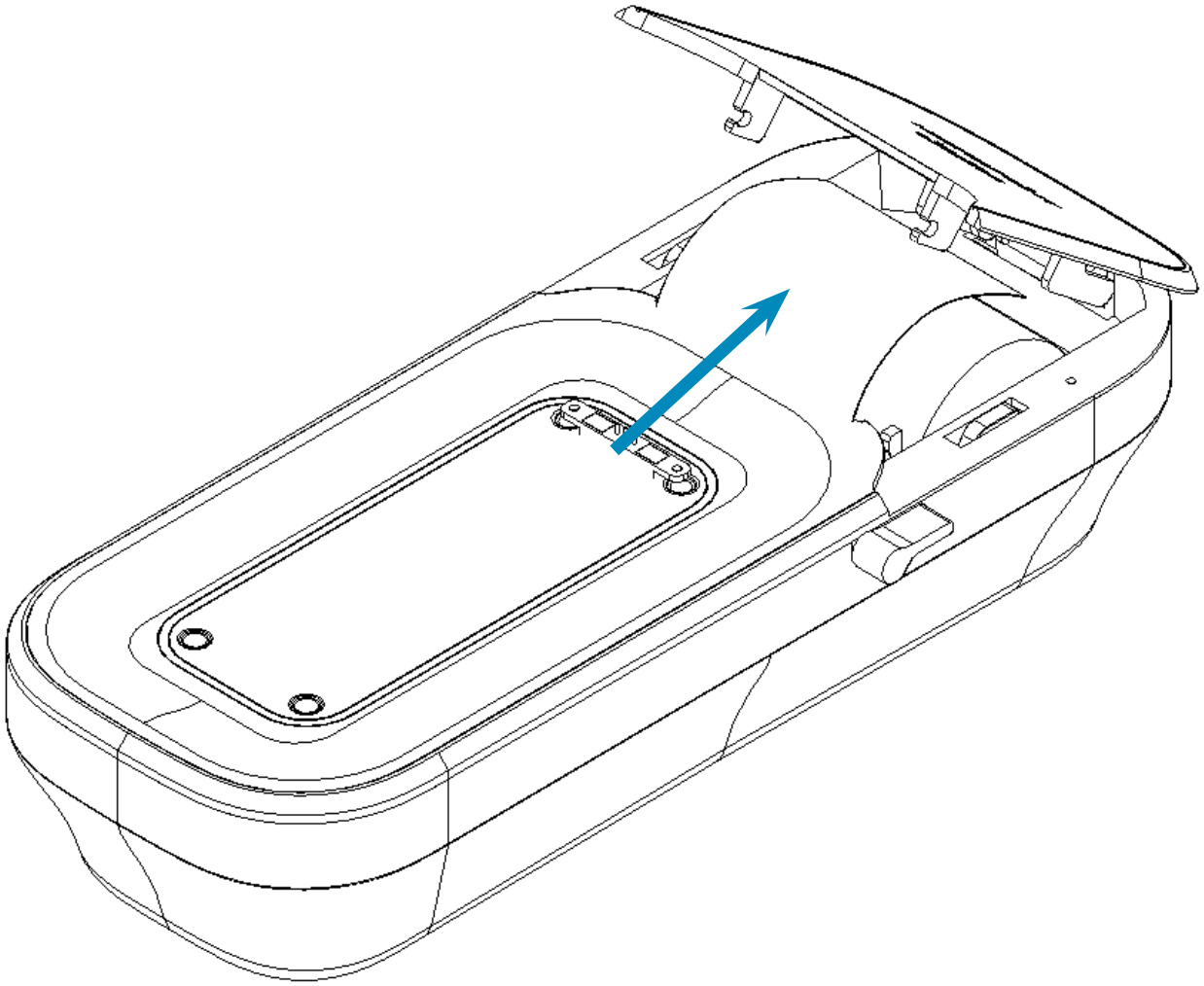


4.2.Install Thermal Paper

Rotate down the printer cover button to open the thermal printer cover.



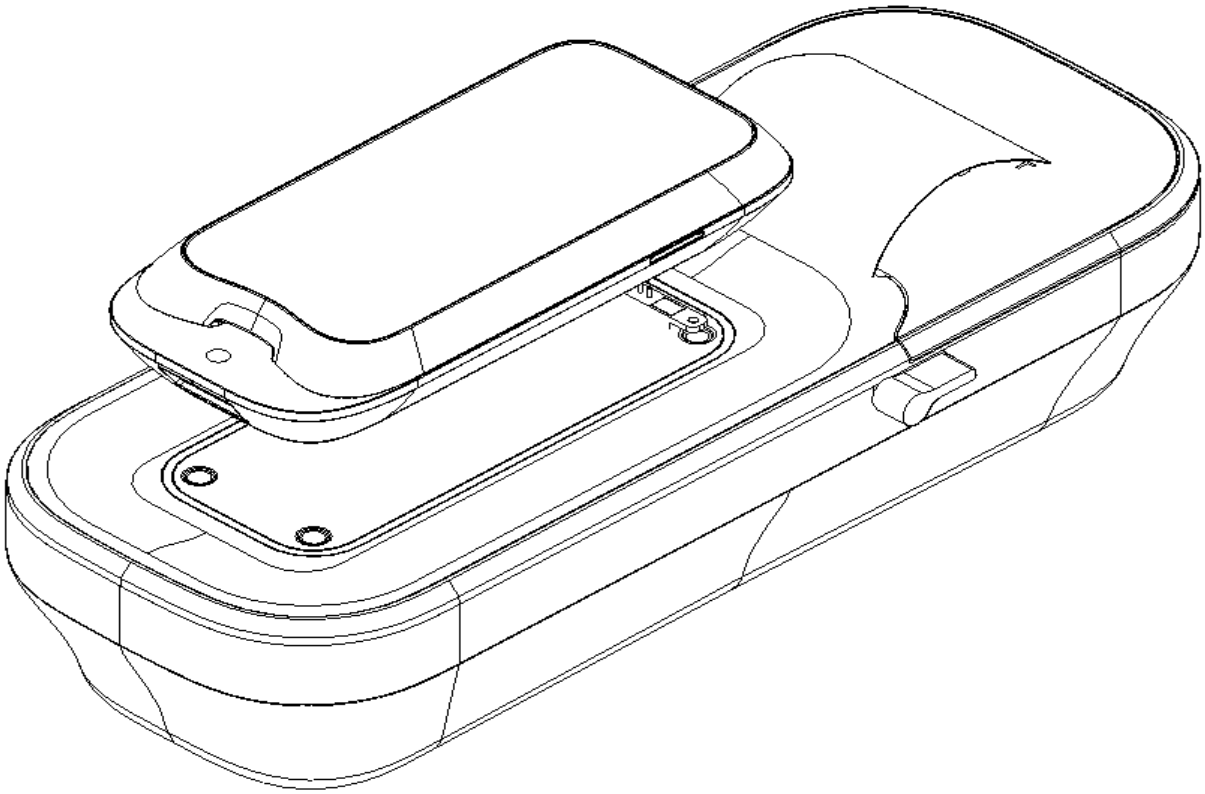
Place the new thermal paper into the paper roll slot. (Note that the curled side of the paper as shown below, allow a small portion of the paper extended outside of the printer cover).



CAUTION:
The printer head may generate high temperature during printing. Please take care to prevent burns.

4.3.Charge the Meter

Charge the Meter by placing onto the charging port slot. Please pay attention to the direction of the Base. (The interface of the charging port is magnetic and will properly align the Meter automatically.)



4.4.Connect the Bluetooth

Locate the Bluetooth setting from the settings screen of the Meter. When disabled, the Bluetooth option is grayed out, and the blue ring light strip of the Base will flash, indicating Bluetooth is not enabled. When Bluetooth is enabled, the Meter automatically will search for the Base and connect. The light strip will illuminate, indicating successful connection. Once the Meter is turned off and restarted, it will connect to the eStation II automatically within 10 seconds. No additional operations are required.

5.Operating Instructions

5.1.Print Report

1) Print test/QC results immediately

After the Bluetooth connection is established between the Meter and the Base, select the report to be printed via the Meter print screen, the Base will print the selected report. Please refer to the User Manual of the Meter for details.

2) Print history test record

If you select a test/QC record from the history record screen of the test/QC results, the specific information of the record will be displayed. Then the result can be printed by pressing the Print button at the bottom of the screen. Please refer to the User Manual of the Meter for details.

5.2.Data Management and Software Upgrade

After the Bluetooth connection is established between the Meter and the Base, and the Base is connected to the computer through the serial port or network port, the following operations can be performed on the computer's data management software:

1). Manage the data stored on the Meter.
2). Upgrade the software of the Base.
3). If the Base and the computer are connected via USB, you can set the network port of the Base. Please refer to the Data Management Software Operation Guide for details.

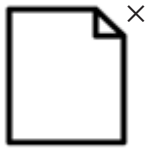
5.3.LIS/HIS Data Transmission

After the Bluetooth connection is established between the Meter and the Base, and the Base is connected to the LIS or HIS system of hospital through the network port, data can be transparently transmitted between the Meter and the LIS/HIS.

6.Product Specifications

Working voltage	Input voltage: 100-240V~1.6A (max), 50~60Hz Output voltage: +12V ⎓4.17A
Working temperature	10 ° C ~ 35 ° C
Relative humidity	10% ~ 90% (without condensation)
Communication Interface	Type-B data cable, network port
Thermal paper width	58mm
Max diameter of thermal paper	Φ 50 mm
Dimensions	280mm*110mm*60mm
Weight	550g (Exclude Thermal Paper)

7.Troubleshooting

Error Description	Possible Causes	Solution
The blue ring light strip is not illuminated	The ON-OFF button is not turned on.	Turn the ON-OFF button on.
Unable to upload data	The Bluetooth connection between the Meter and the Base is interrupted or the Base is not connected to the Data Management Software correctly.	Check to ensure the Bluetooth connection between the Meter and the Base is maintained, and check the connection between the Base and the Data Management Software.
The paper is jammed during the printing	The thermal paper is not installed correctly; or the specifications of the thermal paper do not match.	Reinstall the thermal paper as shown in section 3.2; ensure the width of thermal paper is 58 mm and the diameter is less than 50 mm.
	The Bluetooth connection is not maintained between the Meter and Base.	Check to ensure Bluetooth connection between the Meter and Base is remained.
	The thermal paper runs out.	Replace with new thermal paper. MICROPOINT PART # 4.50.450-00005

If the problem persists, please contact Micropoint's Customer Service by emailing customerservice@micropointbio.com or calling +86 755 21600849 for technical support.

8.Symbol

Symbol	Explanation	Symbol	Explanation
	In Vitro Diagnostics		Expiry Date
	Caution. Read Carefully		Fragile
	Keep Dry		Biological Risk
	Separate Collection		Do Not Reuse
	Temperature Limitation		Manufacturer
	Authorized Representative in the European Community		Consult Instructions For Use
	Catalogue Number		Serial Number
	CE Marking		Lot Number
	UK Responsible Person		UKCA Mark

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P/N 630-00238 Rev.A7 2022-01