



SP80B Spirometer Product Introduction

CONTEC
康泰医学



Caring your breath health



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Main Structure Parts

Exhale time indication lights

Turbine accessory, removable

Rechargeable lithium battery

2.8" color LCD display

Key button



Other information:

- ✓ **Size:** 160 mm×65 mm×45 mm
- ✓ **Weight:** 190 g
- ✓ **Working current:** 200 mA
- ✓ **Data transmission:** Bluetooth & USB cable (not real time)
- ✓ **Safety class:** Internally powered equipment, type BF allied part

Product Features

	Description
Volume range	0~10 L
Volume accuracy	±3% or ±0.05 L (whichever is greater)
Flow range	0~16 L/s
Flow accuracy	±5% or ±0.02 L/s (whichever is greater)
Features	<div>1. FVC, FEV1, FEV1/FVC, PEF, FEF25, FEF50, FEF75, FEF2575 can be measured.</div> <div>2. The personnel information (including height, age, gender, etc.) can be set.</div> <div>3. Flow-volume chart, volume-time chart display.</div> <div>4. The data can be stored, deleted, uploaded and reviewed.</div> <div>5. Trend chart display.</div> <div>6. Health state indication</div> <div>7. Calibration function</div> <div>8. Over-limit prompt function for volume and flow</div> <div>9. Indicate expiration within 6 seconds by indicators.</div> <div>10. Start measuring by one-button.</div> <div>11. The data can be transmitted by Bluetooth or USB cable.</div> <div>12. Real-time clock can be set and displayed.</div> <div>13. Battery power indication.</div> <div>14. Automatic power off when there is no operation within two minutes.</div>

Operate Process



Press and hold  to power on



Loading...



Do you want to edit personal information?




Testing...



Personal information

Notes: please input right patient's information to make sure that device can calculate right estimated value.



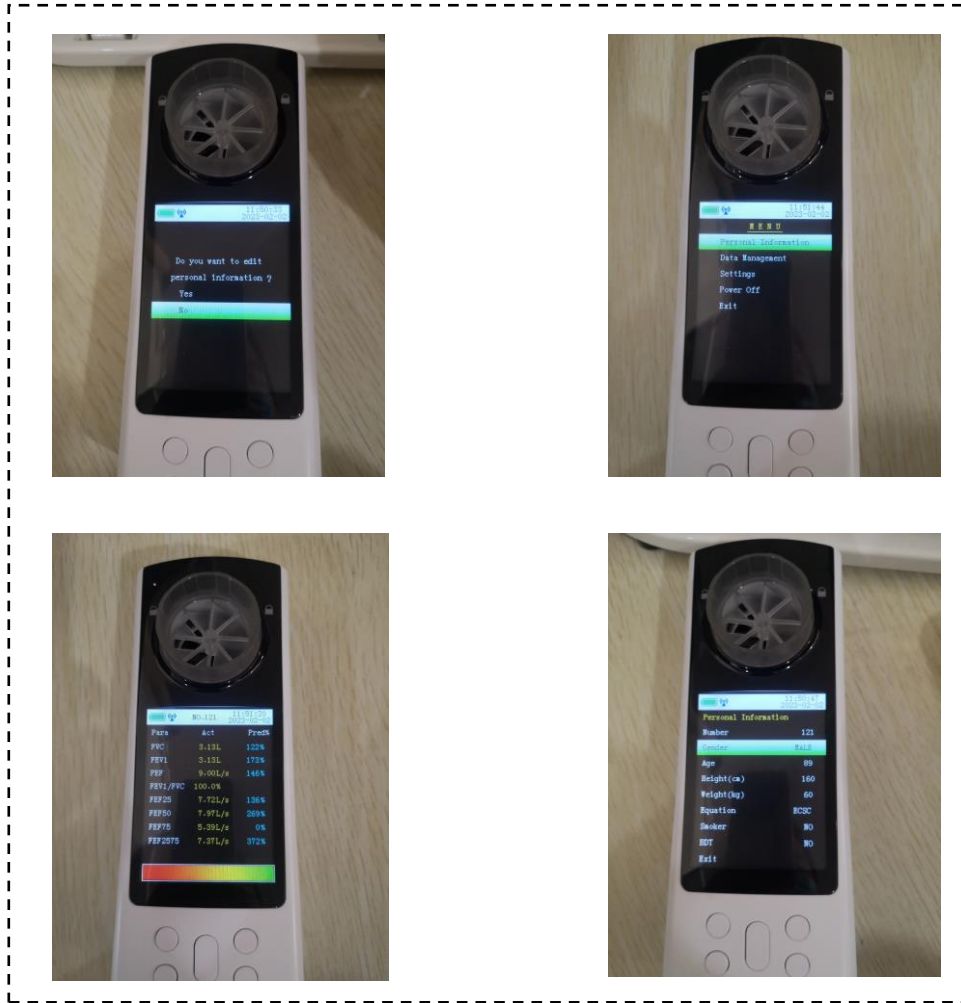
Press and hold  or wait 2 mins to power off



Test result



Operate Process



Testing...

After power on, you can start testing quickly in every interface through press and hold ► .

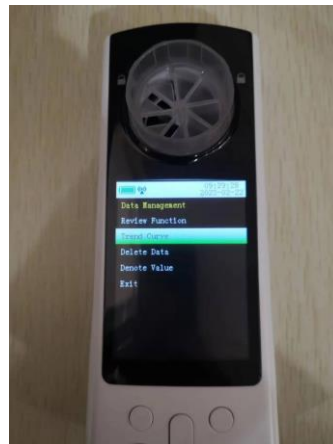
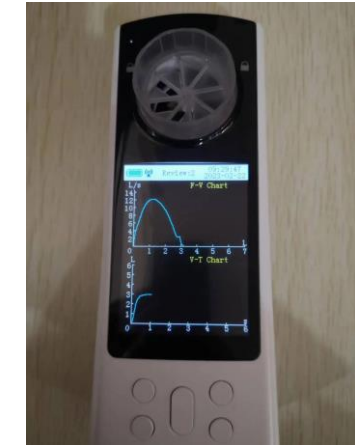
History Data & Trend Curve



Settings->Data management



- Review function
Every measurement case' s history and curve.



- Trend curve
All measurement case' s trend curve by different items.



Settings

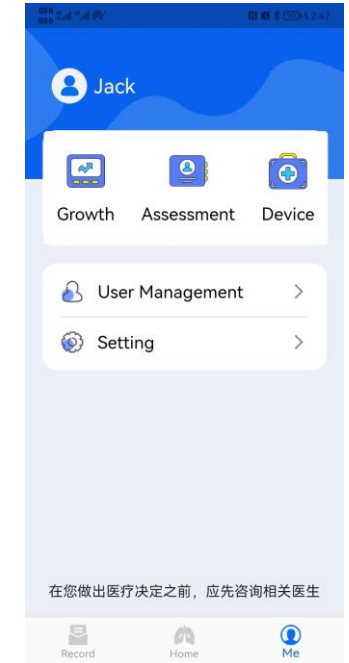
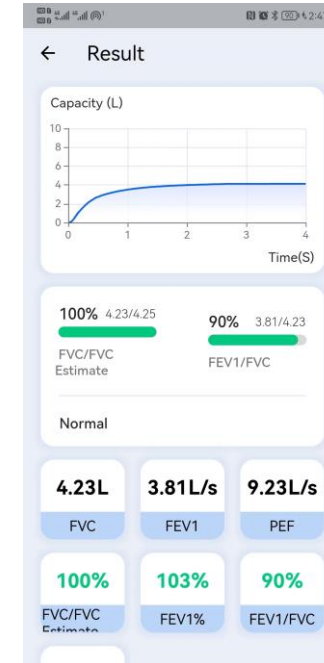
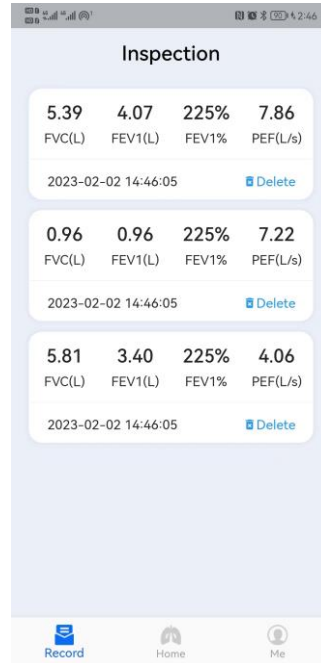
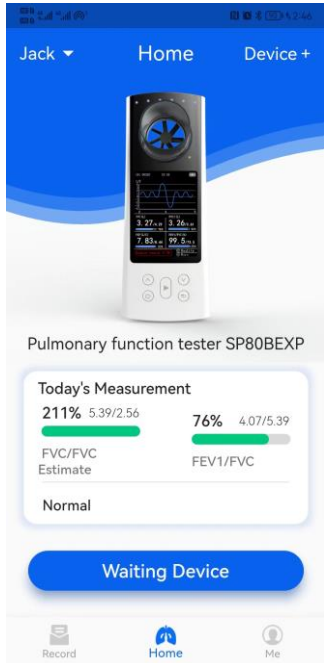


In testing or testing result interface, click ↩ to enter settings menu.

Click ▲ or ▼ to move selected item.
Click ▶ to enter the selected menu

Personal information	Data management	Settings	Power off	Exit
<div>➤ Number</div> <div>➤ Gender</div> <div>➤ Age</div> <div>➤ Height (cm)</div> <div>➤ Weight (kg)</div> <div>➤ Equation</div> <div>➤ Smoker</div> <div>➤ BDT</div> <div>➤ Exit</div>	<div>➤ Review function</div> <div>➤ Trend curve</div> <div>➤ Delete data</div> <div>➤ Denote value</div> <div>➤ Exit</div>	<div>➤ Language</div> <div>➤ Bluetooth</div> <div>➤ Time setting</div> <div>➤ Calibration</div> <div>➤ About</div> <div>➤ Exit</div>		

Use with Mobile Application



- Spirometer's Bluetooth is opened by default.
- Bluetooth connects automatically after launching the app.

- After connection, data will be uploaded automatically.
- There will be list all uploaded test data in Record page.

- Click any data to enter test result detail page.

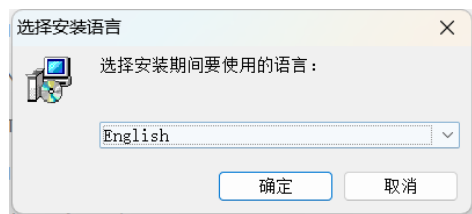
- View Growth, Assessment, Device, User Management and Setting in Me page.

Notes:

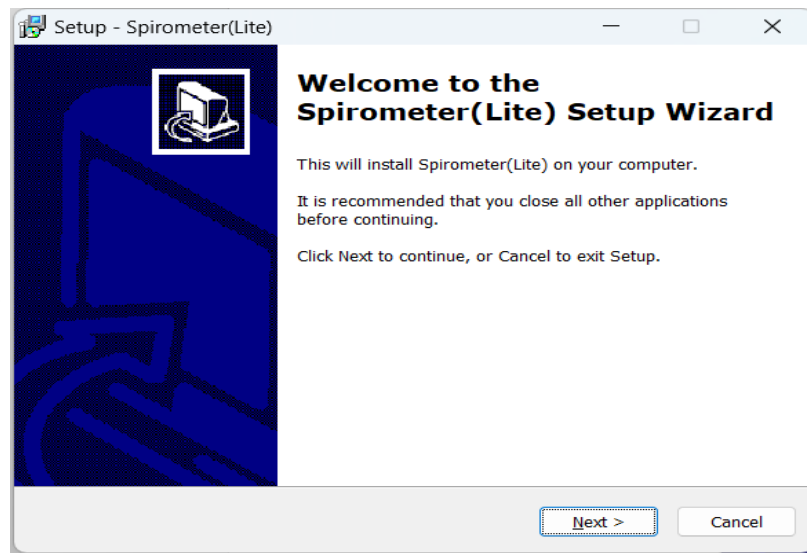
Android user: All region users can search Brisu in Google Play Store.

IOS user: Europe and Chinese mainland users can search Dr.Lung in App Store.

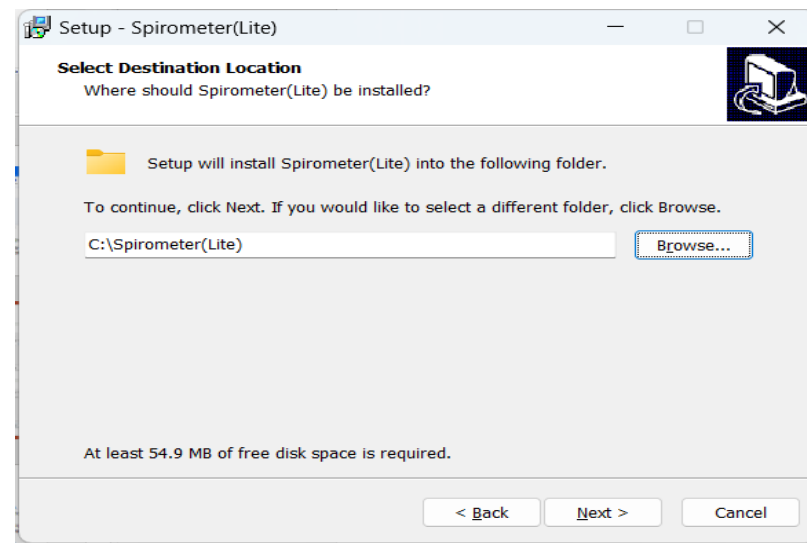
PC Software Install Process



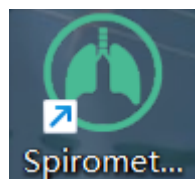
Install software and select language.



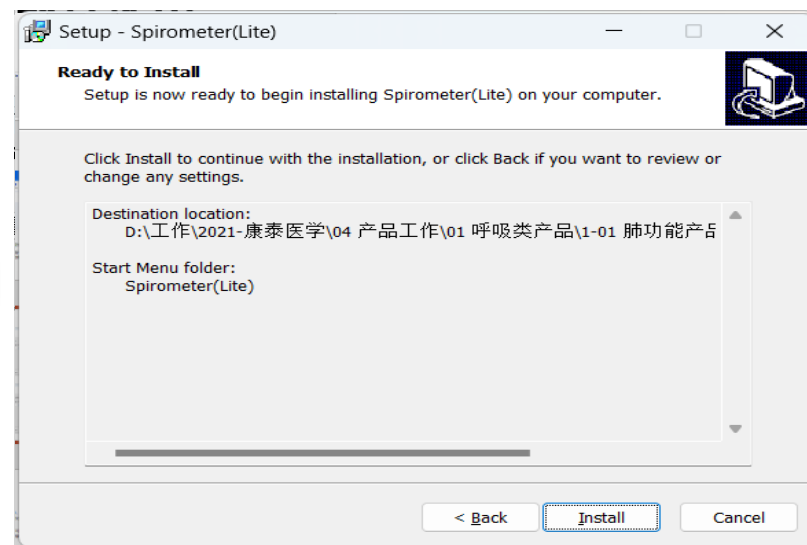
Click next.



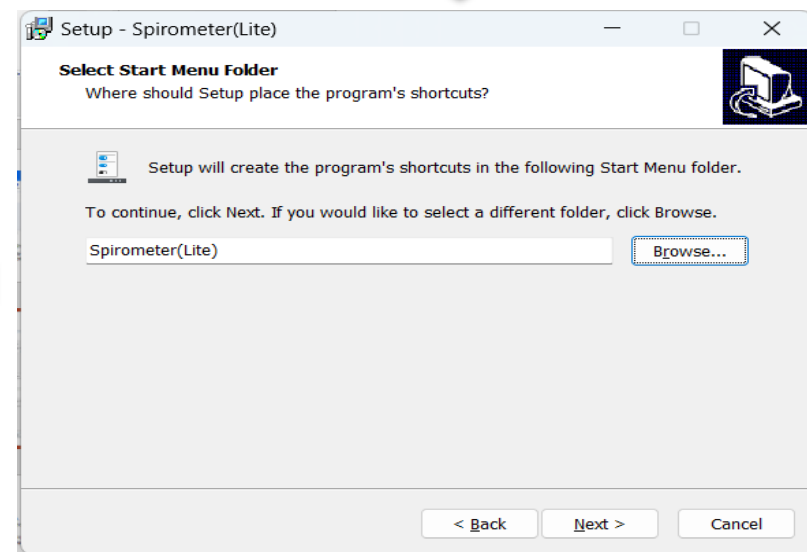
Select install path.



Installed completed.

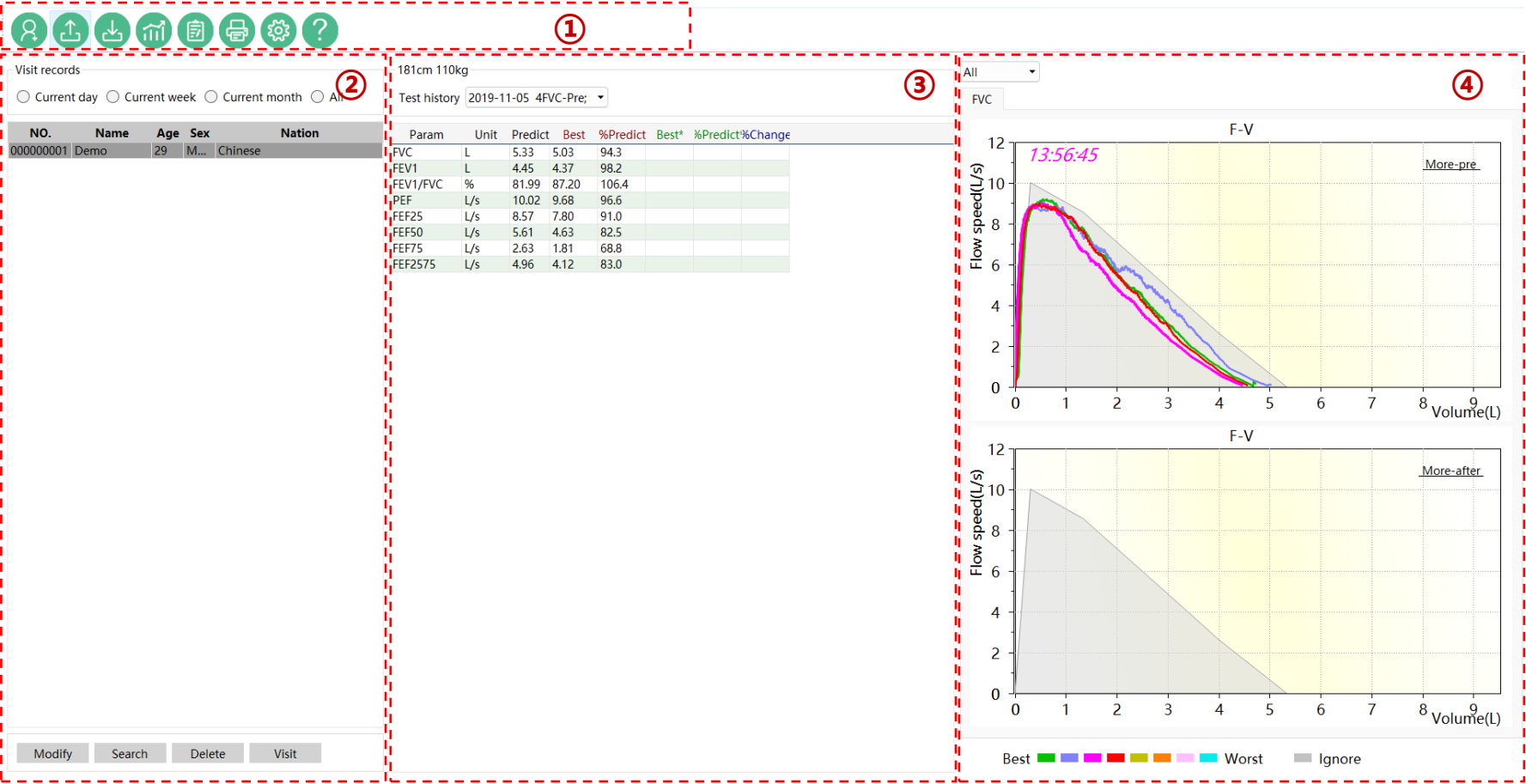


Confirm the installation path and click "Install".



Create shortcuts.

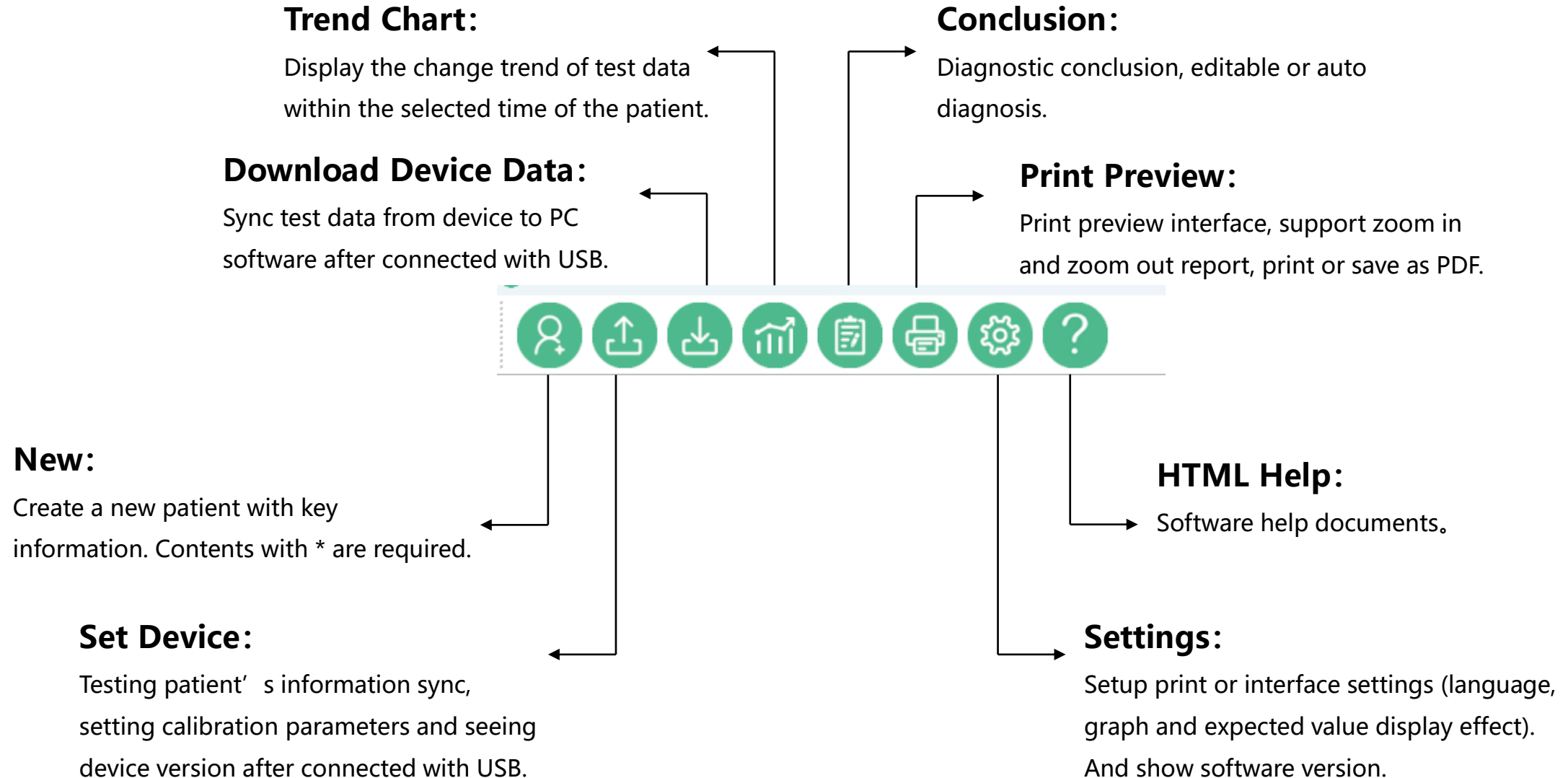
PC Software Features



Function introduce:

- ① Function area:
Click icon to enter the function interface.
- ② Patient' s information:
Select/change/delete patient' s information, and operate patient' s medical records.
- ③ Test value record:
Test result value display.
- ④ Test graphical record:
Test result graphical display.

PC Software Features



PC Software Features

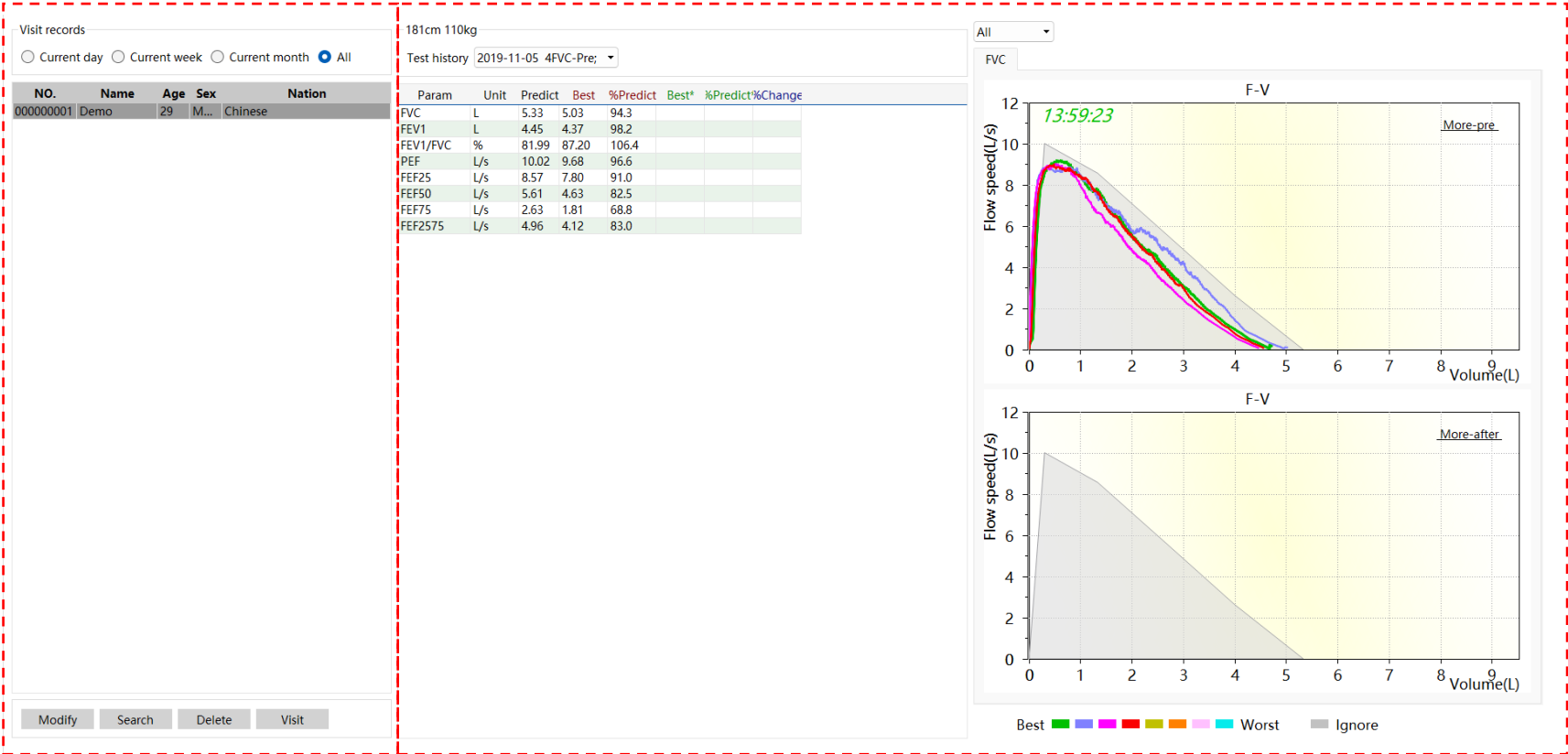


Patient information:

- Display the patients' list after choosing the time. Or search any patient by Search interface.
- Select patient to modify or delete patient' s info, or view or add a visit record.

Test data:

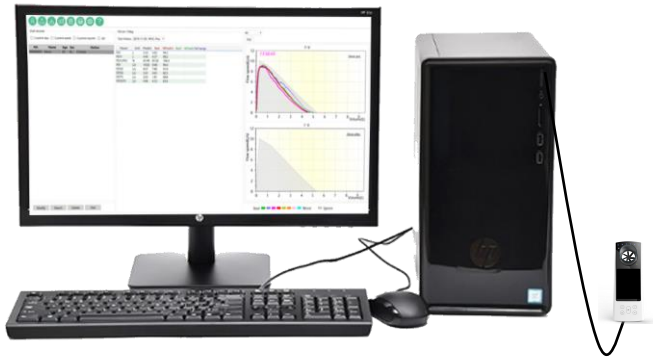
- Display the test history which is selected in dropdown list.
- Graphical conclusion.



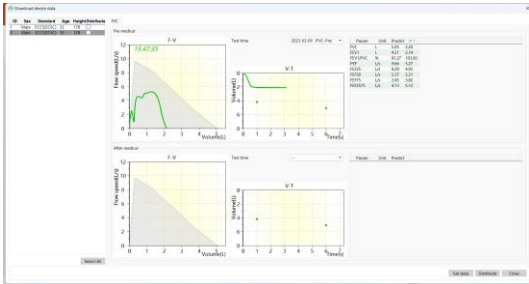
Use with PC Software



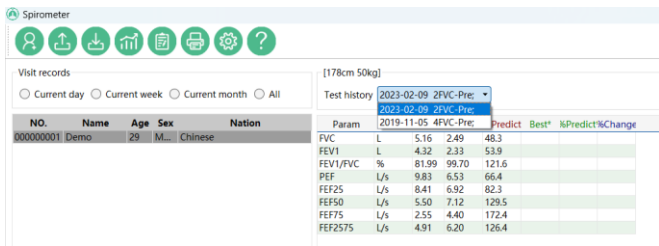
Use device to measure lung function.



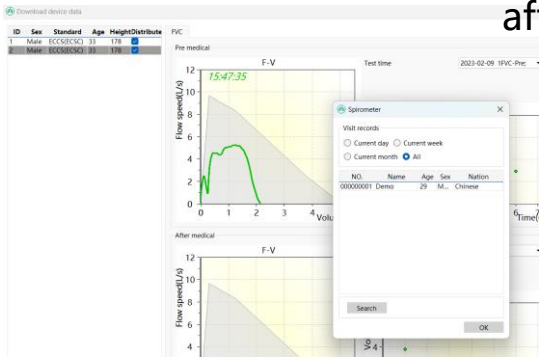
1. Open the PC software
2. Connect device and PC by USB. The device shows "Charging..."



1. Enter Download Device Data interface.
2. Click Get Data.
3. Left side display the data after loading completed.



After successfully associating data, patient' s new test data will be shown in main interface.

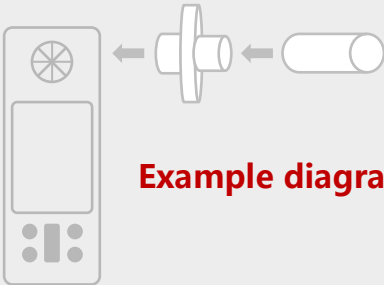


1. Select data and click Distribute.
2. Select patient and click OK.

Q&A

ID	Question	Solution
1	What the parameters that the device can be measured?	8 parameters. FVC, FEV1, FEV1/FVC, PEF, FEF25, FEF50, FEF75 and FEF2575
2	Does the device support data uploading? How to do it?	Support BT and USB data uploading. For mobile device, connect by BT to sync data need to download and install the appropriate App For PC, connect by USB to sync data need to download and install appropriate software. <i>Android user: All region users can search Brisu in Google Play Store.</i> <i>IOS user: Europe and Chinese mainland users can search Dr.Lung in App Store.</i>
3	Does the device support data real-time transmission?	No, neither BT and USB is supported.
4	What' s the reason of patient' s measured data exception?	1. The patient has respiratory disease. Need doctor to judge. 2. Measurement is not standard. Re-measure and strictly follow the guidance. 3. Environmental effect. Re-measure after calibration. 4. Device error. Need service or R&D analysis.
5	Connecting PC, the device is display 'charge is full' or 'Charging...' .	Now, users cannot do any operation when the device connect PC by USB. And this issue will be solved in the future.
6	Cannot do any operation after power-on, or device is black screen.	It maybe caused by battery or components issue. We need to analysis the faulty device to judge the issue reason. And customers are not advised to dispose by themselves.
7	What' s certification that this device got?	CFDA、 CE and some other countries or area certification.

Q&A

ID	Question	Solution
8	Does the device support wireless printer?	BT can connect the wireless printer. But we need to debug to ensure the print effect.
9	Can the device measure inspiratory?	Not support, measure expiratory only.
10	What' s the accessories about the device?	Normal accessory: Turbine, Filter, Mouthpiece and Calibration Syringe. Calibration: Family-use, once a year. Other places, 3000 use times at least once calibrate.
11	What' s the accessories specification?	Mouthpiece(round): Coarse end (machine) - outer diameter 30mm, inner diameter 27mm; Fine end (mouth) - outer diameter 29mm, inner diameter 26mm. Mouthpiece(flat): Round end (machine) - outer diameter 30.2mm, inner diameter 28.2mm; Flat end (mouth) - width 32.6mm, thickness 20.8mm Filter: Inner diameter of end A: 30mm, outer diameter of end B: 30mm
12	How to connect the device and filter or mouthpiece?	<div>The turbine contains a filter, and the inner wall of the turbine contacts with the outer wall of the filter. The bite includes a filter, and the inner wall of the bite contacts the outer wall of the filter.</div> <div><p>Example diagram</p></div>
13	If customers want to buy other brands filter or mouthpiece, what needs attention?	Match the turbine connection requirements. If customers need to match our filter or mouthpiece to use, that it need to match the filter or mouthpiece size specification requirements.

Q&A

ID	Question	Solution
14	What' s the language that device support?	Standard configuration: Chinese and English Other languages need to customize.
15	What' s the indicator light for?	Top 6 indicator lights: Expiratory time indication, that is used to guide the patient to exhale as much as possible. Right bottom corner of turbine: Power indicator.
16	How many pieces of data can the device store?	224
17	There is no BDT data, how do deal it?	In Settings->Personal information->BDT, change the No to Yes. And measure again after this operation. Then upload the data to software. That will show the More-after data.

Thanks !

Caring your breath health

