



SP80B Spirometer

Product Introduction

CONTEC
康泰医学



Caring your breath health



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PC Software Introduce

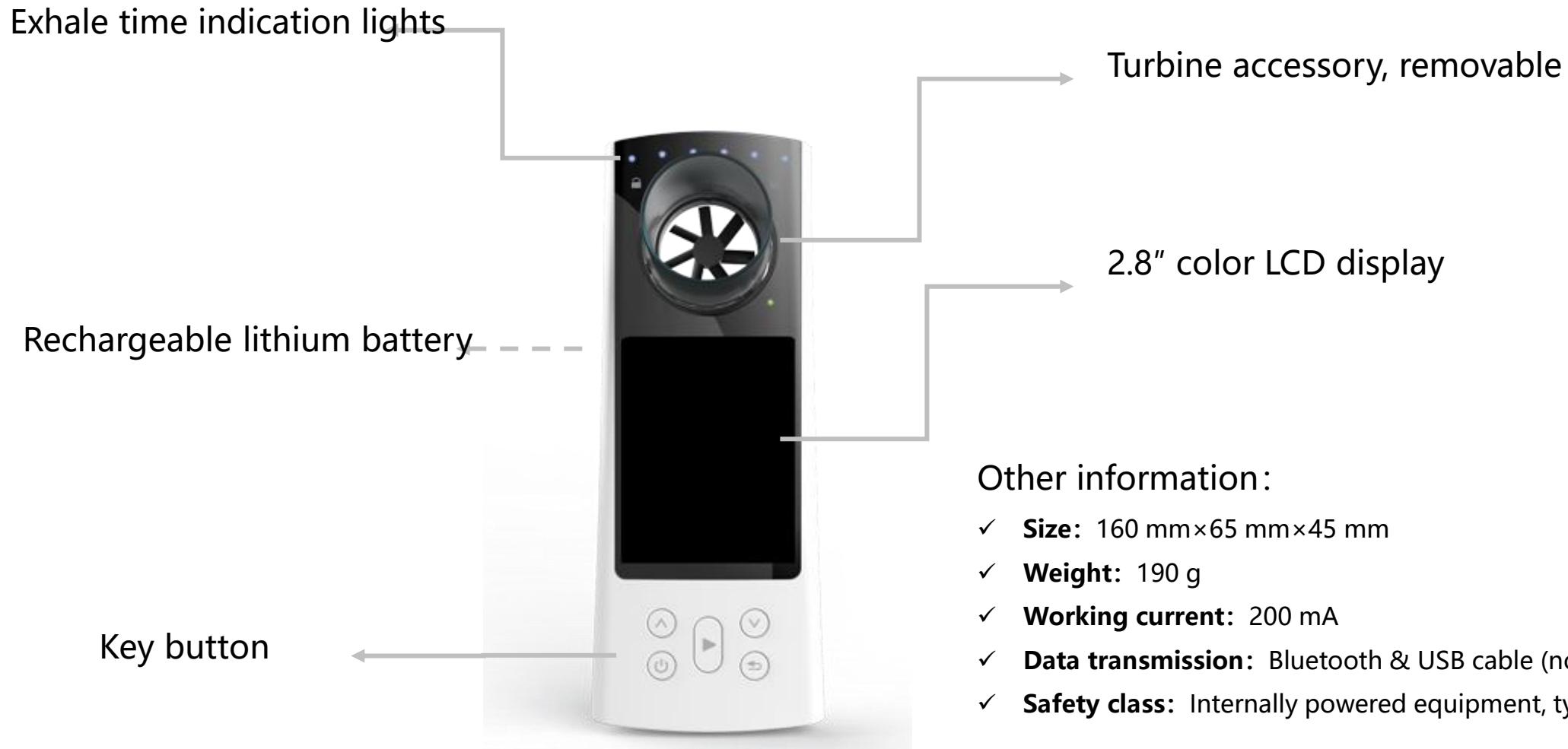
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Main Structure Parts



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	<ol style="list-style-type: none">1. FVC, FEV1, FEV1/FVC, PEF, FEF25, FEF50, FEF75, FEF2575 can be measured.2. The personnel information (including height, age, gender, etc.) can be set.3. Flow-volume chart, volume-time chart display.4. The data can be stored, deleted, uploaded and reviewed.5. Trend chart display.6. Health state indication7. Calibration function8. Over-limit prompt function for volume and flow9. Indicate expiration within 6 seconds by indicators.10. Start measuring by one-button.11. The data can be transmitted by Bluetooth or USB cable.12. Real-time clock can be set and displayed.13. Battery power indication.14. Automatic power off when there is no operation within two minutes.

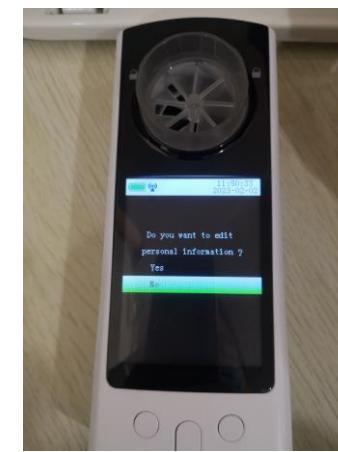
Operate Process



Press and hold  to power on



Loading...



Do you want to edit personal information?
Yes
No



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

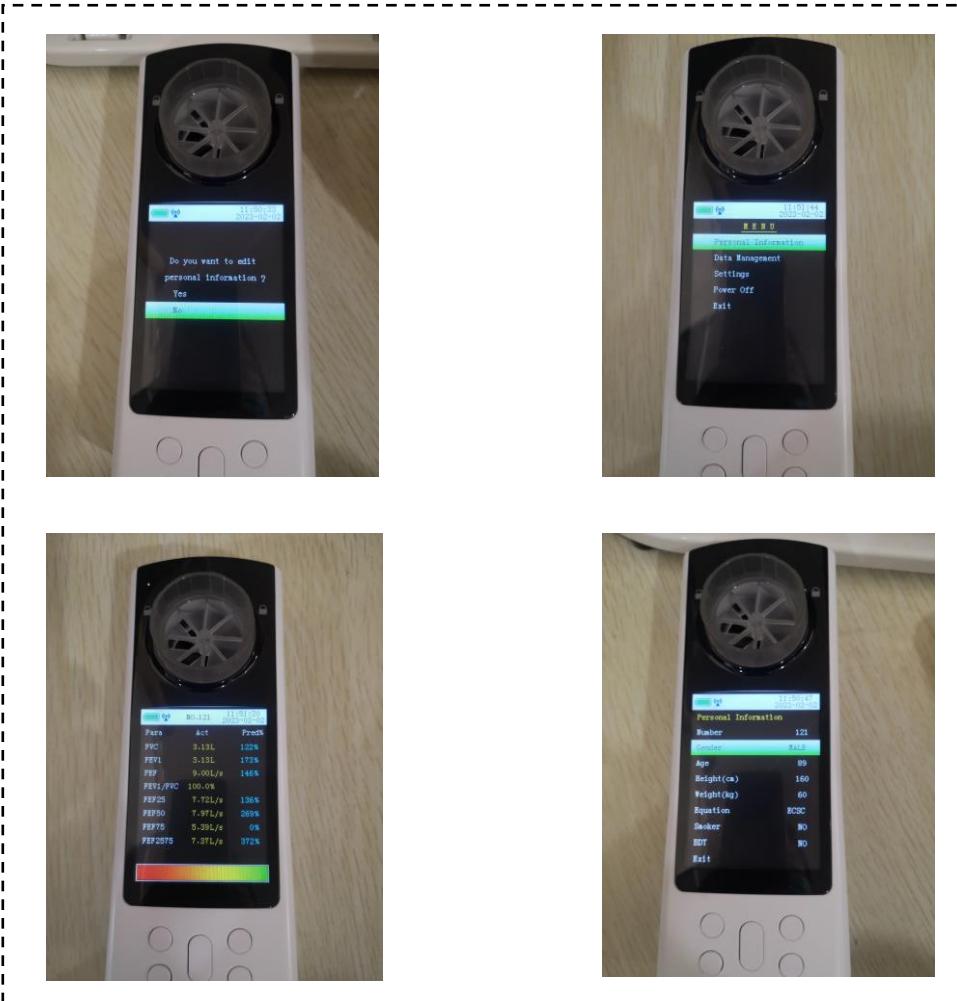


Test result



Testing...

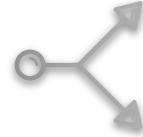
Operate Process



Testing...

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

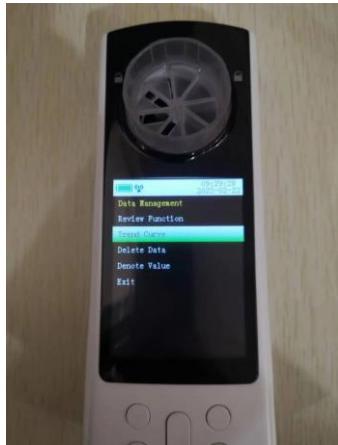
History Data & Trend Curve



Settings->Data management



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



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



Settings



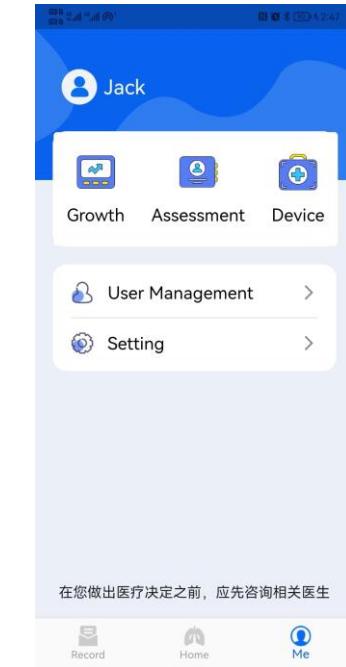
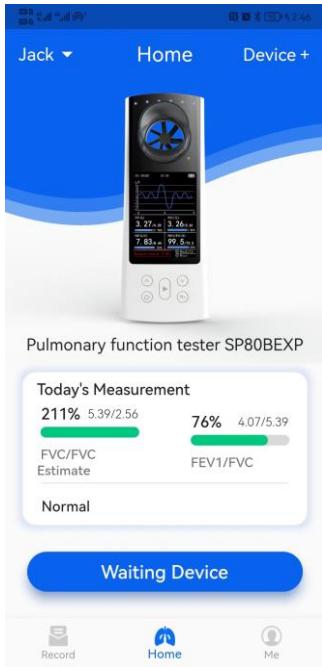
In testing or testing result interface, click ↲ to enter settings menu.



Click **Λ** or **∨** to move selected item.
Click **▶** to enter the selected menu

Personal information	Data management	Settings	Power off	Exit
<ul style="list-style-type: none">➢ Number➢ Gender➢ Age➢ Height (cm)➢ Weight (kg)➢ Equation➢ Smoker➢ BDT➢ Exit	<ul style="list-style-type: none">➢ Review function➢ Trend curve➢ Delete data➢ Denote value➢ Exit	<ul style="list-style-type: none">➢ Language➢ Bluetooth➢ Time setting➢ Calibration➢ About➢ Exit		

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:

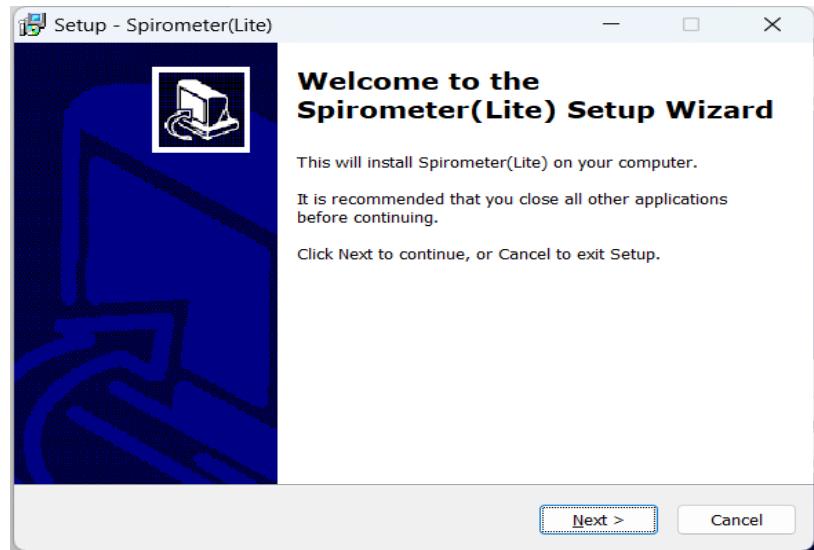
Android user: All region users can search Brisu in Google Play Store.

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

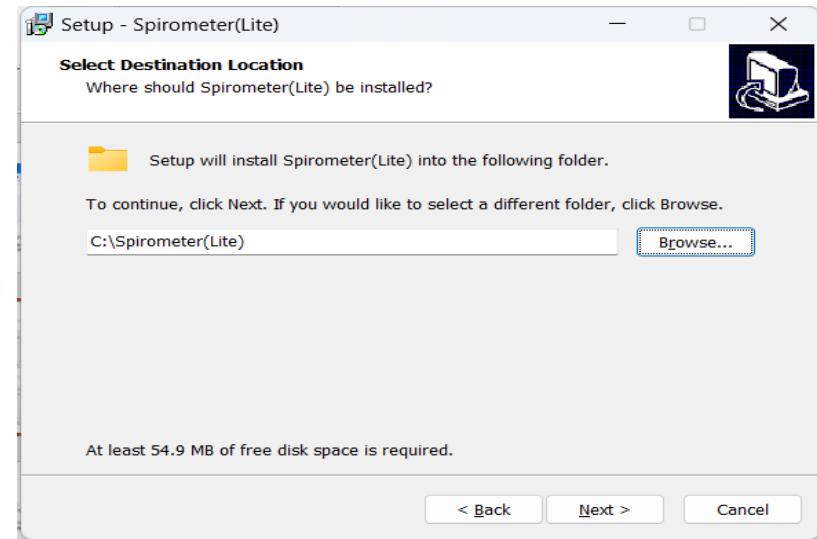
PC Software Install Process



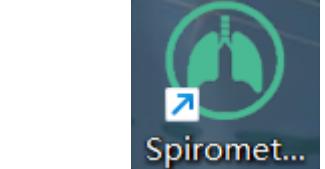
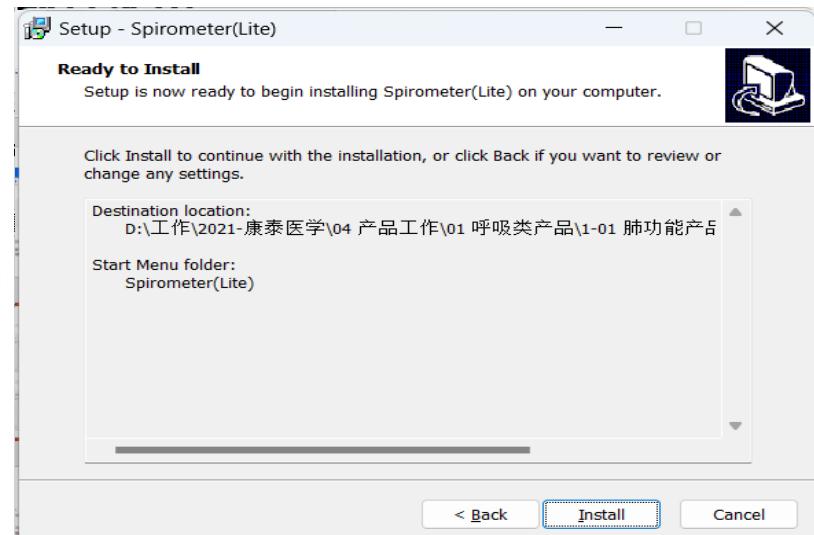
Install software and select language.



Click next.

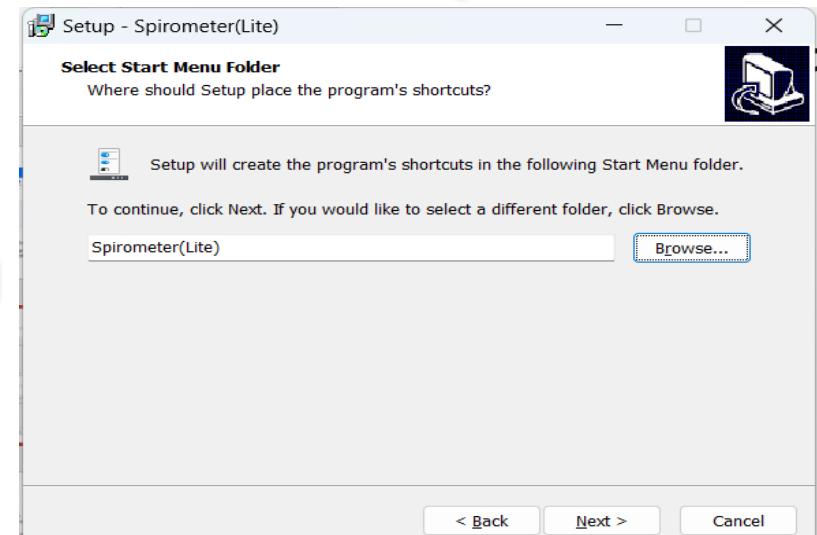


Select install path.



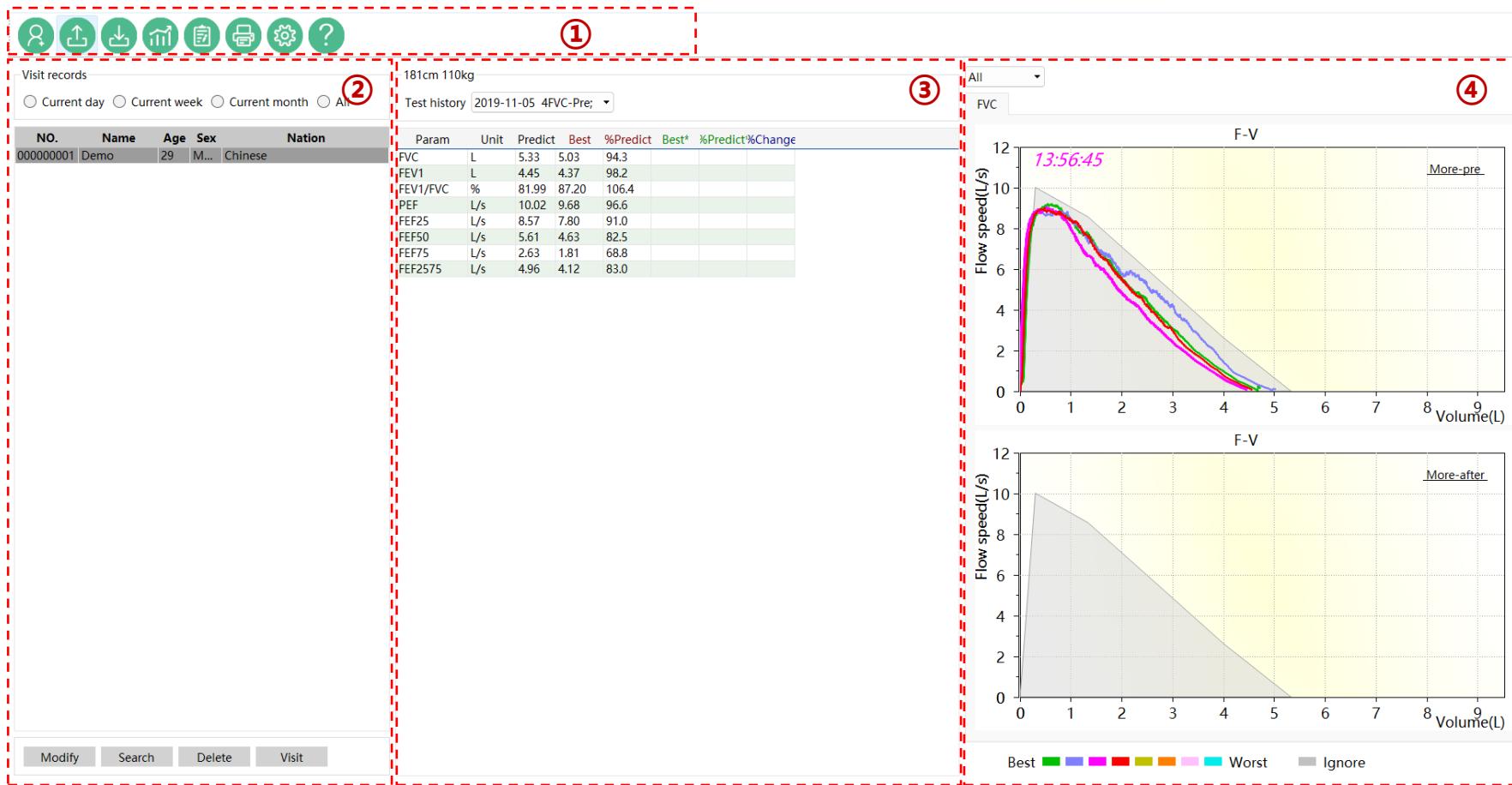
Installed completed.

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

Trend Chart:

Display the change trend of test data within the selected time of the patient.

Download Device Data:

Sync test data from device to PC software after connected with USB.



New:

Create a new patient with key information. Contents with * are required.

Set Device:

Testing patient' s information sync, setting calibration parameters and seeing device version after connected with USB.

Conclusion:

Diagnostic conclusion, editable or auto diagnosis.

Print Preview:

Print preview interface, support zoom in and zoom out report, print or save as PDF.

HTML Help:

Software help documents.

Settings:

Setup print or interface settings (language, graph and expected value display effect). And show software version.

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.

Visit records

181cm 110kg

Test history 2019-11-05 4FVC-Pre; ▾

NO.	Name	Age	Sex	Nation
00000001	Demo	29	M...	Chinese

Param	Unit	Predict	Best	%Predict	Best*	%Predict*	%Change
FVC	L	5.33	5.03	94.3			
FEV1	L	4.45	4.37	98.2			
FEV1/FVC	%	81.99	87.20	106.4			
PEF	L/s	10.02	9.68	96.6			
FEF25	L/s	8.57	7.80	91.0			
FEF50	L/s	5.61	4.63	82.5			
FEF75	L/s	2.63	1.81	68.8			
FEF2575	L/s	4.96	4.12	83.0			

Modify Search Delete Visit

All ▾

FVC

13:59:23

F-V

Flow speed(L/s)

Volume(L)

More-pre

F-V

Flow speed(L/s)

Volume(L)

More-after

Best (green) □ Predict (blue) □ Worst (red) □ Ignore (grey) □

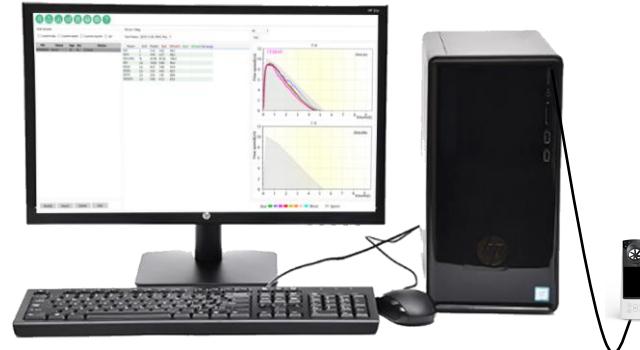
Test data:

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

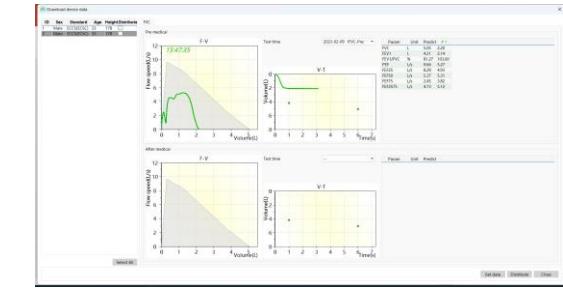
Use with PC Software



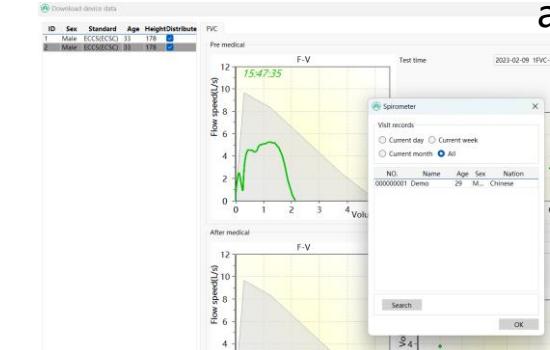
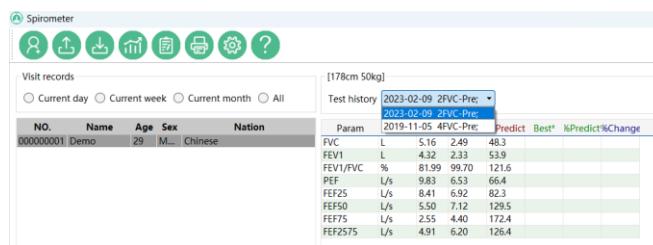
Use device to measure lung function.



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.



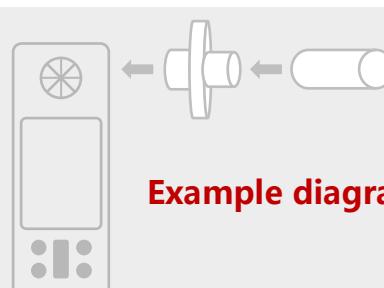
After successfully associating data, patient' s new test data will be shown in main interface.

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. 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.
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	'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?	<p>The turbine contains a filter, and the inner wall of the turbine contacts with the outer wall of the filter.</p> <p>The bite includes a filter, and the inner wall of the bite contacts the outer wall of the filter.</p> 
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

