

**WSEII**

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**WSEII**

SMART STETHOSCOPE



Check your health with a **WSEII**  
SMART STETHOSCOPE

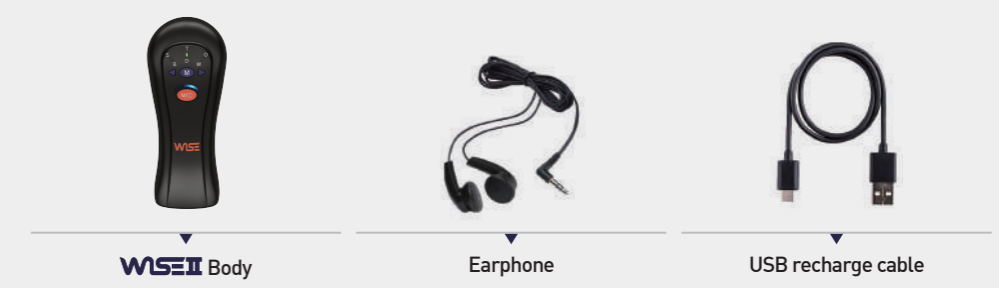
# Smart Stethoscope can Listen, See, Analyzed and Measure Body temperature and Oxygen saturation.

pat. KR10-0669531, KR10-1869881

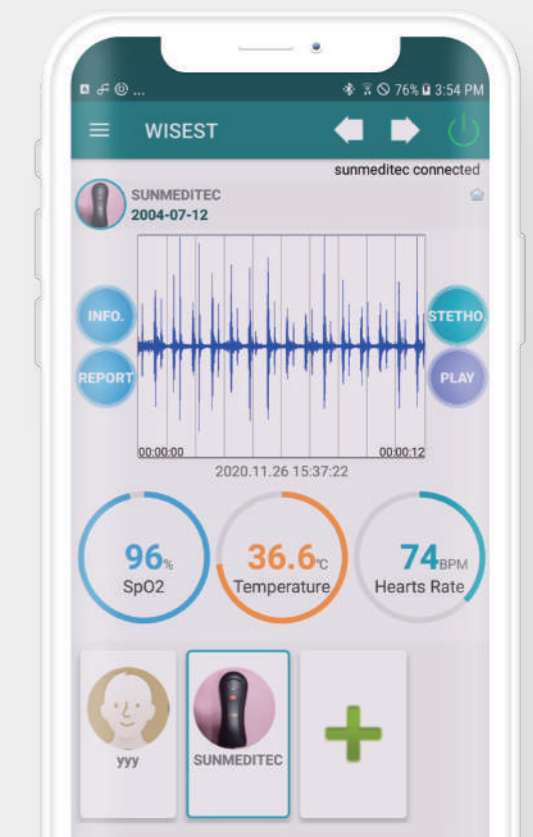


Characteristics of WSEII

- Smart Stethoscope displays heart, lung sound and pulse rate.
- Measures Body temperature.
- Measures Oxygen saturation.
- Real time monitoring of stethoscopy, pulse rate, body temperature and oxygen saturation.
- Analyzing of the heart and lung sound through waveform analysis and spectrogram.
- Easy to use as basic information required for diagnosis.
- Stores, reproduces, and outputs Waveform of stethoscope, pulse rate, Body temperature, and Oxygen saturation.
- Continuous use with rechargeable battery.
- 2.4GHz Bluetooth communication for use on Smartphone and PC.
- Smart Stethoscope remotely possible.



Product Name	WSEII (Smart Stethoscope)
Model name	Life W20
Length	153x63x33mm
Power	DC 3.7V
Weight	120g
Power Consumption	107mW
Body Temperature Accuracy	36 °C±3%
Oxygen Saturation Accuracy	LEVEL ±3%



# Smart Stethoscope can Listen, See, Analyzed and Measure Body temperature and Oxygen saturation.

Check your health with a **WSEII** SMART STETHOSCOPE



## 01. Smart Stethoscope system

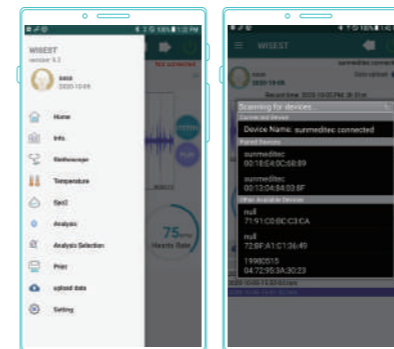


1. Familiarize yourself with the function.
2. Power on/off button : the power is turned on by pressing once and off by pressing and holding for 3 seconds.
  - The power turns off automatically after 10 minutes of inactivity.
  - Each time you press this button, the mode is selected. S(Stethoscope), T(Body temperature), O(Oxygen saturation).
3. After selecting the stethoscope mode(S), you can select another mode. 'M' button is mode of B(Bell), D(Diaphragm), W(Bell and Diaphragm both).
  - Bell mode check the heart sound, Diaphragm mode check the lung sound and Wide mode check the heart and lung sounds at the same time.
  - The order can be changed. B→D→W→B
4. Volume consists of digital levels : '+' means high and '-' means low.
5. LED window displays the state of mode.
6. Recharging battery port : The charging connector can be used for either standard (USB 5pins A Type). The reset switch on the left(not normally used) resets when the smart stethoscope has a problem and moves the switch to the right and then moves to the left(original position) again.

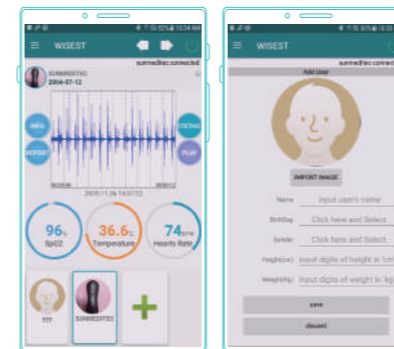
## 02. How to use the App(WISEST)



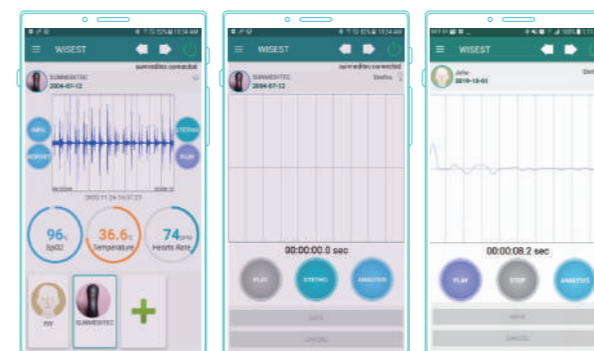
- 1 Download the "WISEST" from the Play Store or Sunmeditec homepage(www.sunmeditec.com). Execute the "WISEST" app. This is intro screen.



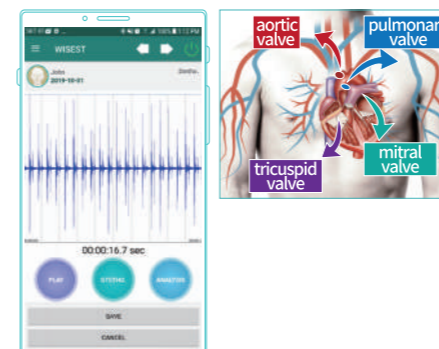
- 2 If you click the table of contents bar(red circle button), the table of contents is displayed as shown below(the figure on the left). Select 'Setting' here to connect bluetooth and then select 'sunmeditec' as shown below(the figure on the right). Now bluetooth is on. (When connected, the blue LED will stop. If it blinks, it is not connected. And at the top of the app, you can see the words 'sunmeditec connected') Please refer to the 'Help' in the table of contents.



- 3 The below is home screen(the figure on the left). Click '+' button and enter the photo and information (the figure on the right).
  - You can use a picture from the gallery or take a picture of yourself and adjust the picture size.
  - Please enter your information(name, height, weight etc).



- 4 There are four diagnostic functions on home screen : INFO(Information), REPORT, STETHO(stethoscope), PLAY. You can hear the heart sound in the middle box graph by press 'PLAY' button(if there is data stored).
  - Click on 'STETHO' to stethoscope(the figure on the middle).
  - And then you can monitor the waveform being auscultate (the figure on the right).
  - For the good data, please don't talk while your heart and lung sounds are saved.



- Stethoscope data can be saved as long as you want. In this case, it is stored for about 16 seconds(generally, recording time is 10 seconds). Press save(the bar below the screen) to save the data. (When you listen to the heart sound, you can hear the heart sound by listening closely to the collection head of the stethoscope on the tricuspid valve and mitral valves in the right side picture)
- If you don't like the data, you can cancel(under bar) it and save it again.

