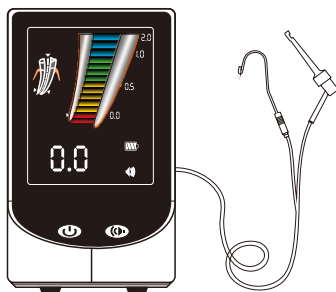


Apex Locator

Product Manual

(please read this manual carefully before use)



Preface

Thank you very much for choosing our products.

Please read this manual carefully before using, operating, maintaining the equipment.

The company reserves the right to update and upgrade this manual and the products described without notice.

The service life of this product is 5 years. See the main body or packaging label for the production date.

Figure 1

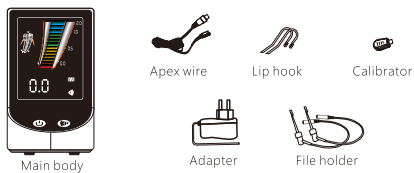


Figure 2

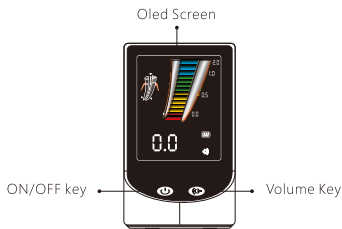


Figure 3

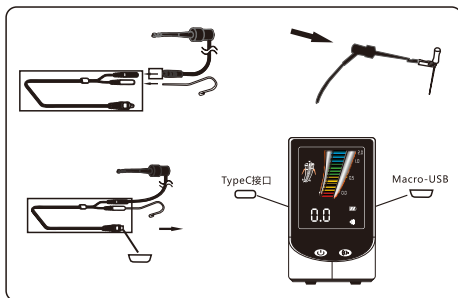


Figure 4

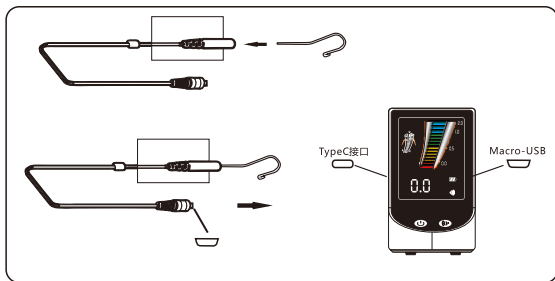
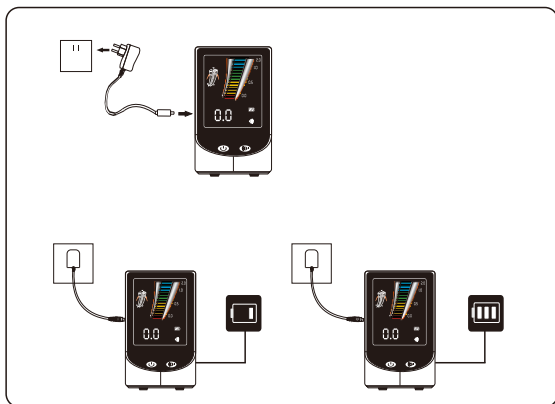


Figure 5



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1. Security Warning









- 1) The equipment must be used within the scope mentioned in the manual. If the user fails to operate according to the requirements of the manual or uses the equipment for other purposes, the manufacturer will not be responsible;
- 2) When using external power supply, please confirm whether the supply voltage is within the voltage range marked by the power adapter, otherwise it may cause injury to the operator or patient;
- 3) If not original accessories are used, such as power adapters or batteries, it may cause danger to patients or operators and damage the equipment;
- 4) Do not insert other objects into the equipment;
- 5) During cleaning, the cleaning materials shall not enter the equipment to avoid short circuit;
- 6) When the equipment is abnormal seriously due to improper use or physical damage, it shall be stopped immediately and the equipment shall be shut down. If need to fix, only manufacturers and authorized dealers can open the equipment;
- 7) Unstable voltage and electromagnetic field will interfere with the normal operation of the equipment;
- 8) For the disposal of the battery and other accessories of the equipment, please comply with the local laws and regulations;
- 9) This instrument is only used by professionals and doctors.

2. Operation

2.1 Operation, Transportation and Storage conditions

-The equipment should be handled careful and away from the seismic source. The packaged equipment should be stored in a place with a relative humidity of no more than 80%, indoor with good ventilation;

- Do not mix with toxic, corrosive, flammable and explosive materials during storage;
- Do not mix with toxic, corrosive, flammable and explosive materials during storage;
- Avoid excessive impact and vibration during transportation and handle with care;
- After sterilization, the equipment must be kept in the sterilization bag and kept dry and dust-free;
- Please check whether the equipment working normally before use;
- Prevent the heat source and radiation source from being damaged

• Protection Against Heat and radiation sources		• Avoid The Sun	
• Temperature	Run: 	Store up:	
• Temperature	Run: 	Store up:	
• Atmospheric pressure	Run: 	Store up:	

2.2 Operation information

2.2.1 On/Off

Short press the left power button to turn on the device, long press the power button to turn off the device, Automatic shutdown within 5 mins without work.

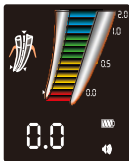
2.2.1 Volume keys

Short press the volume key on the right side of the panel to adjust the volume.

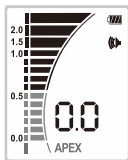
2.2.3 Theme switching

Long press the volume key to switch themes (white and dark themes).

2.3 Theme style



BLACK style



WHITE style

2.4 Apex Measuring

2.4.1 Connect the accessories

- Connect the main body, apex wire, lip hook and file holders according to the Figure 1 and Figure 3.
- Place the lip hook on the patient's lip, which is the opposite lip area to the teeth measured.

2.4.2 Measuring

- The file is slowly inserted into the root canal. The small square changed in the screen shows the position where the root canal file reaches the root canal. When the file reaches different positions, the corresponding square and numbers will be displayed, accompanied by different sound signals.
- Away from 2.0mm or more to Apex. No sound;
- Away from 1.0mm-2.0mm to Apex. The sound is a continuous beep;
- Away from 0.5mm-1.0mm to Apex. The sound is two continuous beeps
- Away from 0.2mm-0.5mm to Apex. The sound is three continuous beeps
- Away from 0.0mm-0.1mm to Apex. The sound is long continuous beeps
- Pass the Apex, the OLED will display -3 and the sound is continuous.

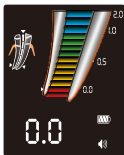
3. Auto checking and Calibration






- Place the calibrator into the main boy, the OLED will display 0.5mm;
- After connecting the apex wires, make touch the file holder and lip hook, the OLED will display -3.
- After finish the above actions, this will confirm the machine work well. If not, please contact the dealer or manufacturer.

4. Battery and Charging

4.1 Battery

- The OLED will display the battery remaining battery capacity:



-  : Indicates that the battery is full or about to be full
-  : Indicates that the remaining power is 50%-80%
-  : Indicates that the remaining power is 30%-50%
-  : Indicates that the remaining power is less than 30%
-  : Indicates that the remaining power is very low, please charge

4.2 Charging

The machine has a built-in 1500mA large-capacity battery, The charging time is about 3 hours.

Insert the adapter into the machine, see the Figure 4, and the machine will beep then the battery capacity blocks will roll while charging until the charge finished.

5. Environmental protection

Environmental protection The metal part of the product is treated as scrap metal. Synthetic materials, electrical components and printed circuit boards are treated as waste electrical appliances. The handling of related materials must be handled in accordance with local regulations and should be negotiated with the local company that specializes in the disposal of waste products.

6. After-sales service

The product can be replaced due to quality problems within seven days and free maintenance within one year. If you buy this product over one year, you need to pay the charge of maintenance accessories. About accessories, we provide free maintenance for six months. If accessories damage or run out, you can purchase from the dealer or manufacturer.

7. Main technical parameters

host

screen : 2.4inch

Classification of degree of protection shock : Type B

battery : Rechargeable file ion battery (DC3.7v), 1500mA

Adapters

Output voltage : DC5V

Output current : 1A

Input voltage : AC100-240V

Frequency of : 50-60 Hz

Protective shock type : Class II

Product Warranty Certificate

Client information	
Client information	
Contact number	
Address	
Postcode	
Sales information	
Name of marketing unit	
Contact number	
Address	
Factory number	
Invoice number	
Sales date	
Seal of marketing unit	

Maintenance Records

Date	The diagnosis	Fault cause	Examination Date	Maintenance Engineer
Treatment				

Date	The diagnosis	Fault cause	Examination Date	Maintenance Engineer
Treatment				

Date	The diagnosis	Fault cause	Examination Date	Maintenance Engineer
Treatment				

Special Note:

The company reserves the right to modify the machine design, product technology or accessories, instruction manual and machine packaging contents at any time without further notice. The product is subject to the actual product, and our company reserve all the right for the final explanation.