



Build Your Imagination

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APEX LOCATOR WITH PULP TESTER

# Ai-Pex

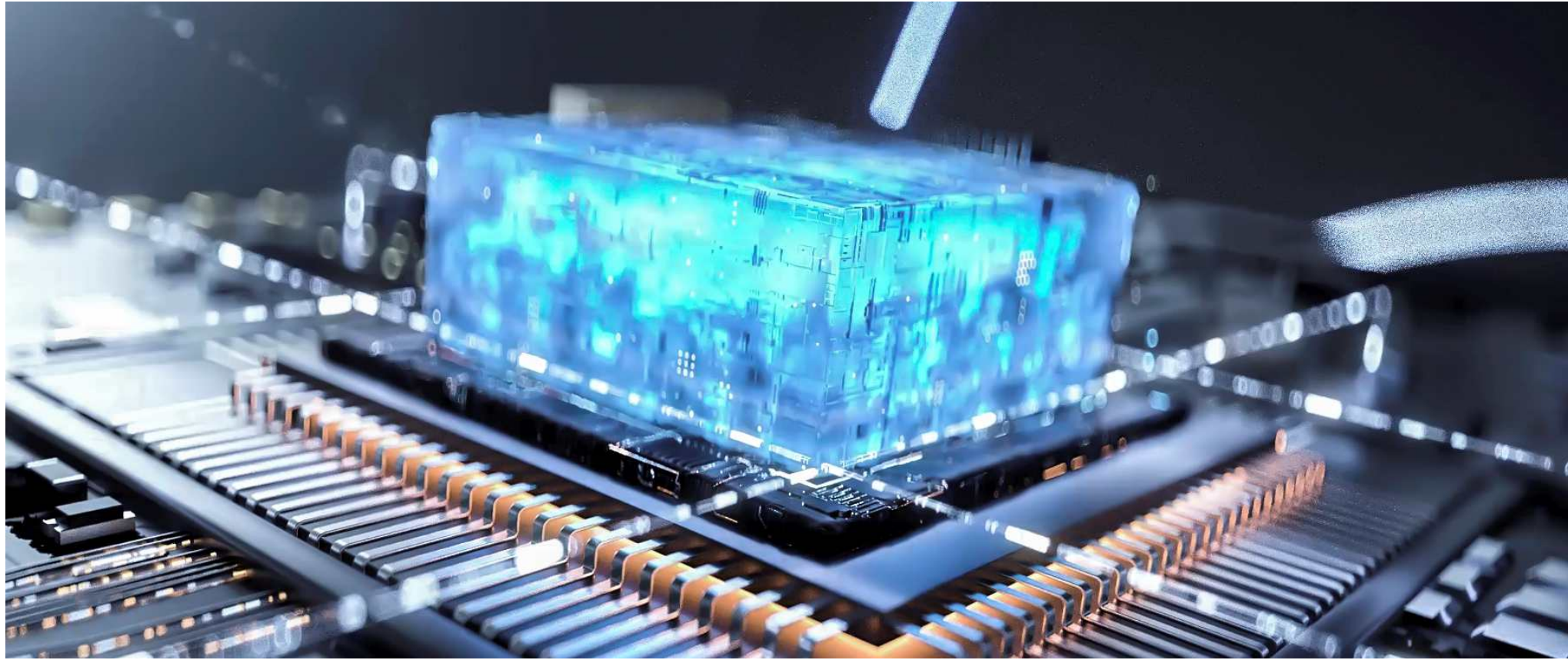
Technology — Contributor to easier treatment  
Can be connected to an Endo Motor

**CONSTANT CURRENT SOURCE**  
Electric pulp testing

**MAGNETIC ADSORPTION**  
Unique base design

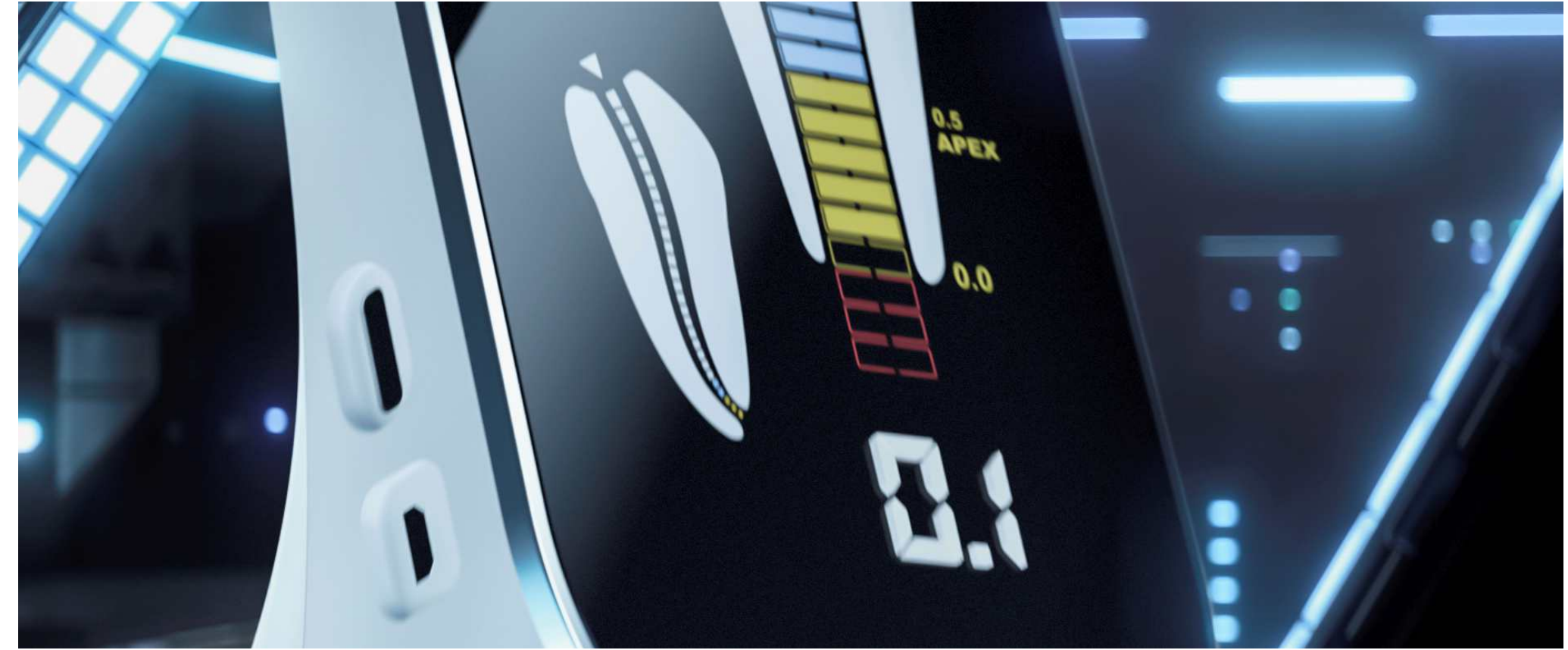
**ANTI-INTERFERENCE**  
Multi-frequency  
DSP technology





## ADVANCED TECHNOLOGY MORE ACCURATE

- Enhanced accuracy: Advanced technology reduces measurement errors
- Fast processing: U.S. central processing chip with DSP processing module
- Startup confidence: Hassle-free auto-calibration on startup
- High precision components: 0.1% tolerance for reliable measurements



## ACCURATE DETERMINATION OF WORKING LENGTH

- Lowered environment requirements
- Suitable for various complex root canals
- Unaffected by blood or residual pulp
- Measures precisely whether the canal is dry or wet

## CONSTANT CURRENT SOURCE ELECTRIC PULP TESTING

When the clinical need to determine the vitality of the pulp arises, an electric pulp tester is a useful adjunct. Thermal tests are not always sufficient to stimulate neural tissues in the coronal aspect of the pulpal tissue.

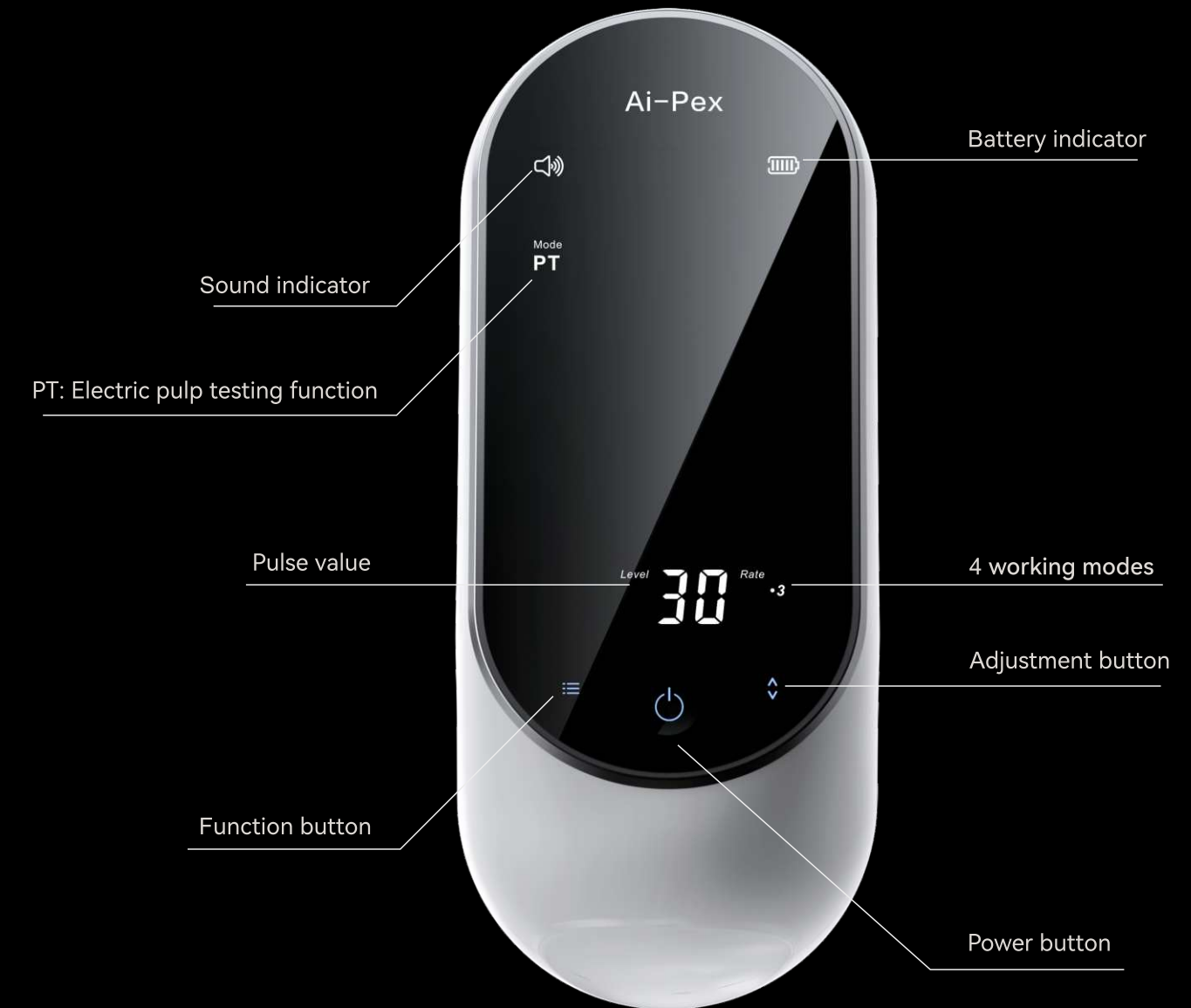
## CONSTANT CURRENT ENABLES MORE ACCURATE MEASUREMENT

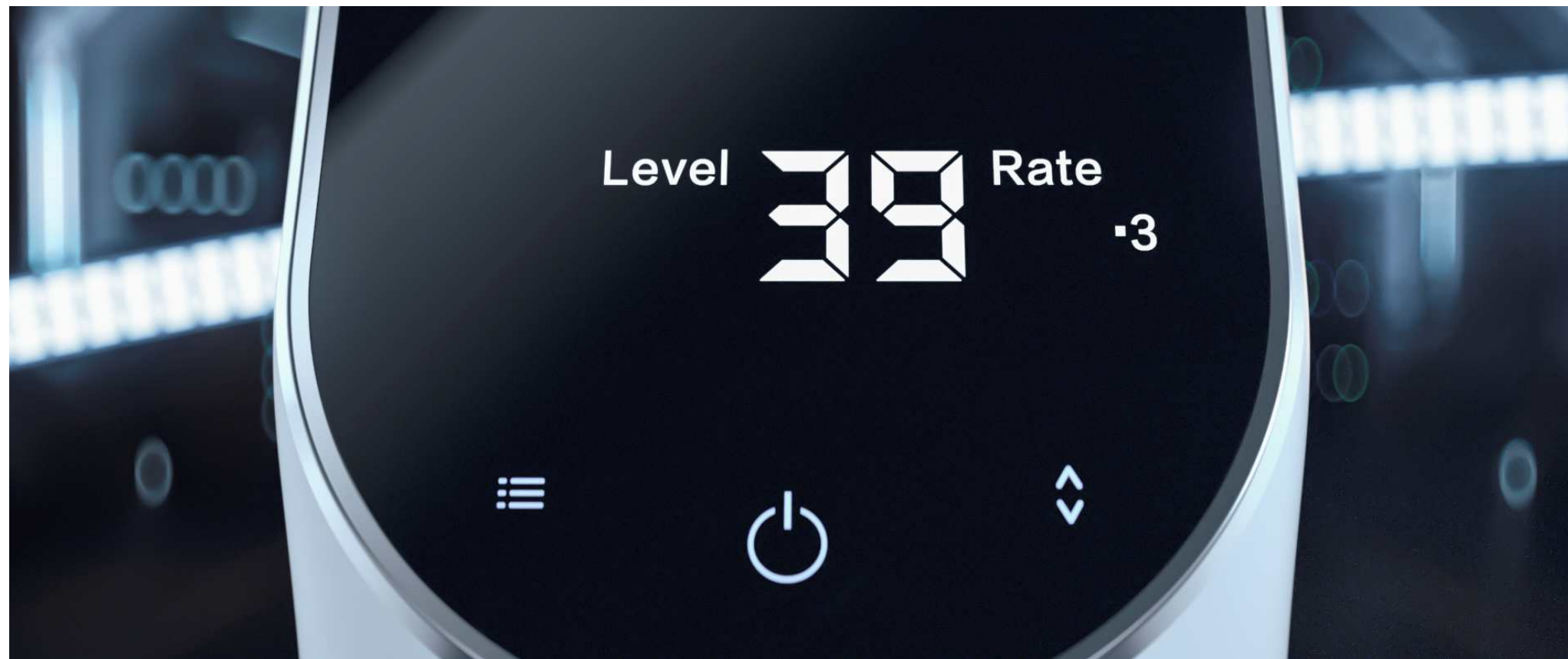
There are two types of electric pulp testers: **constant current type** and **constant voltage type**. The constant current type maintains a stable current throughout the test, while the constant voltage type maintains a constant voltage. In assessing pulpal vitality and correlating test results with histopathological findings, constant-current pulp testers provide higher accuracy.



## BRIEF INTRODUCTION OF ICONS IN ELECTRIC PULP TESTING FUNCTION (PT MODE)

4 working modes: 6.2s to reach the maximum pulse intensity at the quickest speed





## HOW TO USE THE PULP VITALITY TEST FUNCTION

- Long press the function button to switch to PT mode
- Press the speed button to adjust to the suitable working mode
- Connect lip hook and probe
- Coat the head of probe with a layer of conductive agent (toothpaste, etc.)
- Place the probe at the 1/3 position of the tooth neck.

Test the tooth and its adjacent tooth separately and compare the values when the patient feels tingling.

- Determine the pulp vitality based on comparative numerical analysis

## ENABLE WORKING LENGTH CONTROL DURING PREPARATION WHEN CONNECTED TO AN ENDO MOTOR

Connecting Ai-Pex to an endo motor enables real-time monitoring of file position within the canal and activates multiple automatic functions (e.g., Auto Reverse).



## MAGNETIC ADSORPTION BASE

360° rotatable  
The viewing angle of the screen can be adjusted, no backlighting.



## LARGE COLOR SCREEN

- 3.8 inch LCD touch screen
- Four-color display operation interface
- It is clinically recommended to make the measurement to the 0.0 position and then manually subtract 0.5~1 mm to obtain the final working length.

## SOUND RECOGNITION

- Enable easier measurement
- When the length indicator bar reaches a digital number below 1.5, the machine intermittently emits low-frequency beeps.
- The closer the tip is to the apical foramen, the quicker the sound is.
- When the tip reaches the apical alarm, the machine emits continuous high-frequency beeps.
- The apical alarm and sound level can be adjusted as you wish.



## CONFIGURATION

Not autoclavable

Measuring wire (Soft texture, long service life)

Autoclavable

File clip × 4 (Coated with biological silica gel)

Lip hook × 5 (Made of medical-grade stainless steel)

Apex locator probe × 2 (Made of medical-grade stainless steel)

Pulp tester probe × 2 (Made of medical-grade stainless steel)

## TWO PULP TESTER PROBE SIZES FOR CONVENIENT TESTING:

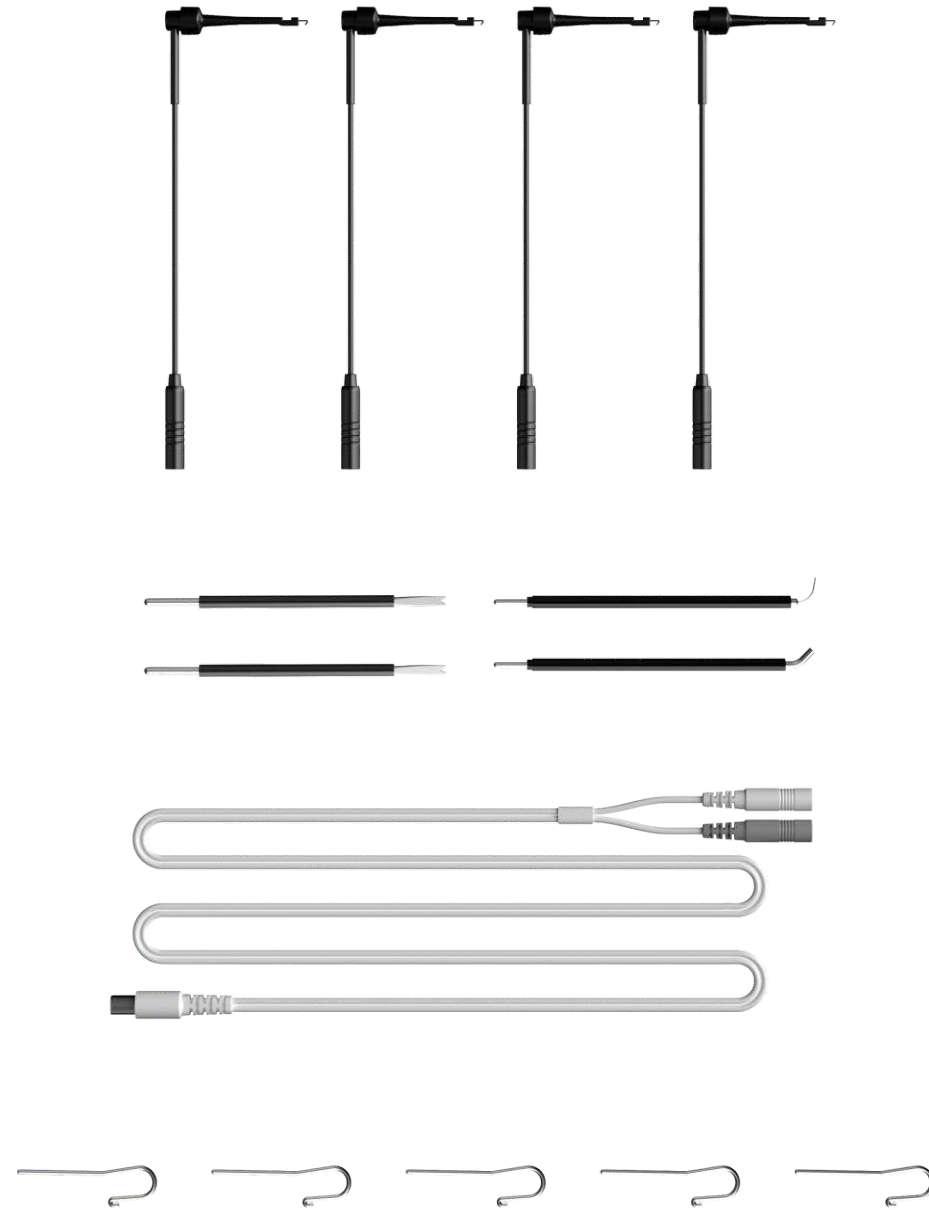
- 2.6 mm diameter probe: for teeth with unexposed pulp, applied to the cervical third
- 0.5 mm diameter probe: for teeth with unexposed pulp (applied to the crown), or for pulp-exposed teeth (applied to the cervical third)



## SPECIFICATIONS

- Operating time: 7 h
- Charging time: 3 h
- Battery: 3.7 V / 2000 mAh
- Input: ~100~240 V, 50/60 Hz, 0.4 A
- Display: 3.8-inch LCD screen

## OPERATION CONDITION

- Ambient temperature: +5°C ~ +40°C
- Relative humidity: 30% ~ 75%
- Atmospheric pressure: 70 kPa ~ 106 kPa



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