

DTE

Choice of Millions of Dentists Worldwide



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DTE

APEX LOCATOR WITH PULP TESTER

Ai-Pex

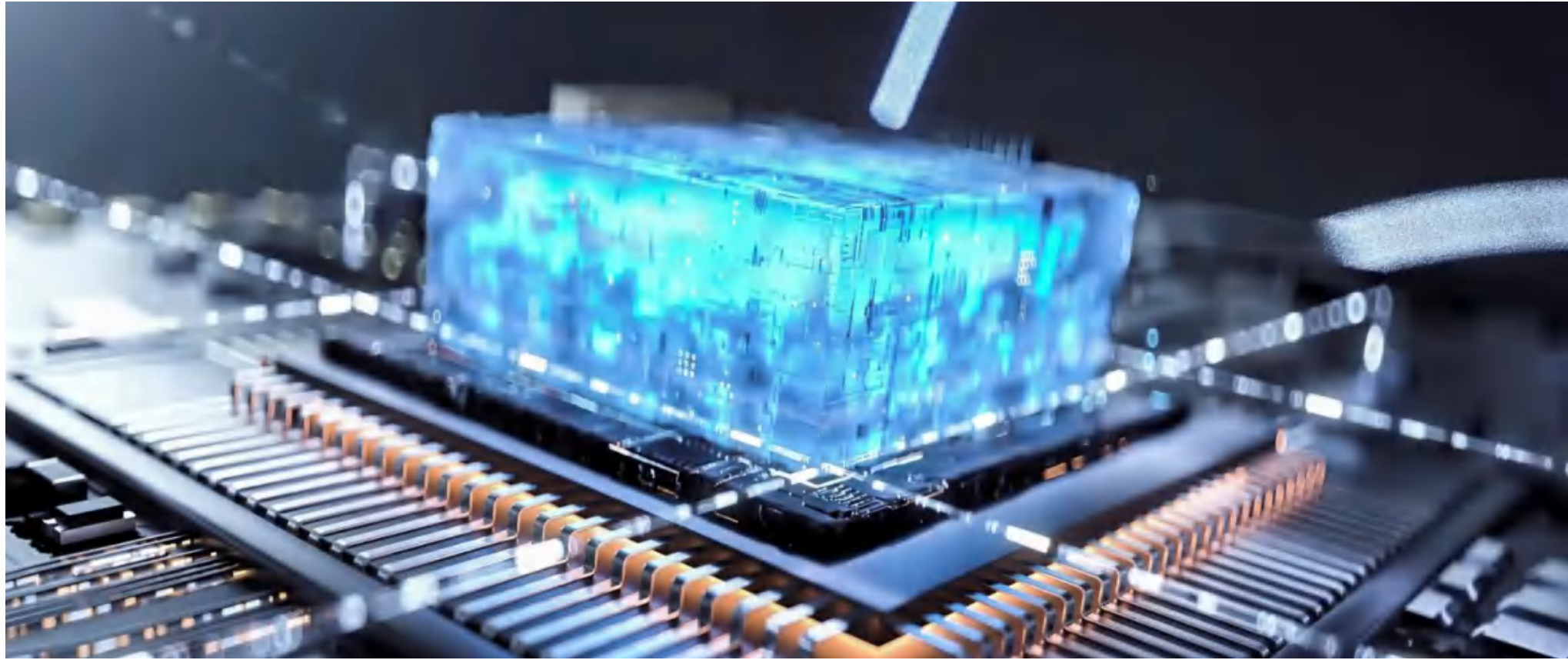
Technology — Contributor to easier treatment
Can be connected to an Endo Motor

CONSTANT CURRENT SOURCE
Electric pulp testing

MAGNETIC ADSORPTION
Unique base design

ANTI-INTERFERENCE
Multi-frequency
DSP technology





ROOT CANAL LENGTH MEASUREMENT

- Auto calibration after startup
- New digital circuit
- U.S. central processing chip with DSP processing module
- 0.1% high precision components
- Information processing speed increased by 2.125 times



ACCURATE MEASUREMENT OF ROOT CANAL LENGTH

- Lowered environment requirements for root canal length measurement
- Suitable for various complex root canals
- Unaffected by blood and residual pulp, whether the root canal is dry or wet, it can automatically and precisely determine the position of apical foramen.

CONSTANT CURRENT SOURCE ELECTRIC PULP TESTING

When the clinical need to determine the vitality of the root pulp arises, electric pulp test must be used. In the case of thermal pulp test (cold & heat), the cold and heat stimuli can only reach the coronary pulp and cannot test the vitality of the root pulp.



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

Sound indicator

PT:Electric pulp testing function

Pulse value

Function button



Battery indicator

4 working modes

6.2s to reach the maximum pulse intensity at the quickest speed

Mode 1: 42.5S Mode 2: 32S
Mode 3: 24S Mode 4: 6.2S

Adjustment button

Power button



HOW TO USE THE PULP VITALITY TEST FUNCTION:

1. Long press the function button to switch to PT mode
2. Press the speed button to adjust to the suitable working mode
3. Connect lip hook and probe
4. Coat the head of probe with a layer of conductive agent (toothpaste, etc.)
5. 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.

6. Determine the pulp vitality based on comparative numerical analysis

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

Connecting the Ai-Pex to an Endo Motor that can be connected to Apex Locator allows real-time observation of the position of the file in the root canal during operation and activates many 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 0.5~1mm 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 stop, the machine emits continuous high-frequency beeps.
The 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

Pulp vitality probe × 2



TWO PROBES IN DIFFERENT SIZES DELIVERS MORE CONVENIENT OPERATION

The large 2.6 mm diameter probe can be used on teeth with unexposed pulp and placed at 1/3 of tooth neck for testing.

The small 0.5 mm diameter probe can be used on teeth with unexposed pulp and placed in the crown for testing, or on pulp-exposed teeth and placed at 1/3 of tooth neck for testing.

OPERATION CONDITION

Environment temperature: +5°C~+40°C

Relative humidity: 30%~75%

Atmosphere pressure: 70kPa~106kPa



THE MAIN TECHNICAL SPECIFICATIONS

Working time: 5h20min

Charging time: 3h

Batter : 3.7V/2000mAh

Input: ~100V-240V 50Hz/60Hz 0.4A

Consumption power: ≤0.5W

Screen: 3.8-inch LCD screen