WOODPECKER

Minipex

APEX LOCATOR

25 National Patents **8** Invention Patents

98 Percent Accuracy



RVM

Scan and Login website
for more information

Real convenience is

Mini
slim but heavy.

Visible
Oval-shaped,
better visibility

Distinguishable
Alarm by different buzzing,
easily distinguish





Accurate & Sensitive

Clincal data matching,
The accuracy rate has been improved to

97.71%

Upgraded chip, real-time response,the sensitivity has been improved double. Innovative algorithm,multi-frequency measurement,and anti-interference.



The accuracy contrast among woodpecker, American brand d and Japanese brand s

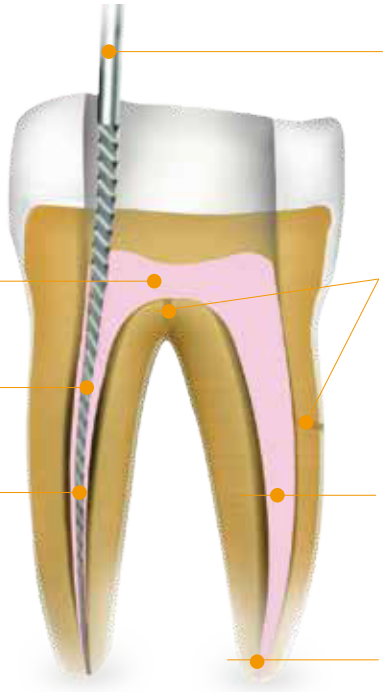
Method: Prepare 97 teeth of pulpitis and apical paradentitis, total 175 root canals. After finishing the initial root canal preparation, use the Apex Locators of Woodpecker, American brand D and Japanese brand S separately to measure the length of root canals, and combine the X-Ray film to test, finally compare the accuracy of the three types of Apex Locators.

Group	QTY of tested root canal	QTY of accurate results	Accuracy Rate
Woodpecker	175	171	97.71%
American brand D	175	171	97.71%
Janpanese brand S	175	171	97.71%

Cited Reference: Gu Yuan Ping
In vivo accuracy of three electronic root canal length measurement devices: Dentaport ZX, Woodpex III and ProPex II

anywhere at anytime

Clinical Tips

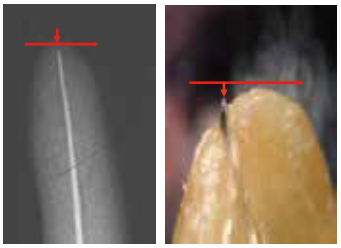


- Use a rubber dam during the endodontic procedure
- Don't let the file or the lip clip come into contact with metallic dental structures
- Dry the access cavity with a cotton pellet/air-blower.
- Use a file size adapted to the root canal diameter
- An apex locator will not work in an obliterated canal
- Root fractures,perforations,deep caries & large lateral canals might give inaccurate results
- Moisten an extremely dry canal with saline to help provide a stable reading.
- Teeth with large apices might give false readings

The defect of traditional measurement method

1.Disadvantage of handing method

- Based on hand feeling and patient's pain, dentists decide whether the measuring tool reaches apical foramen, with high subjectivity and low accuracy. Foreign literature suggest that providing the range of error ±0.5 mm , accuracy of handing method is only 42%.

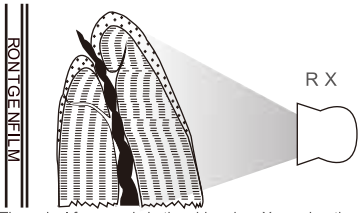


X ray film shows under-filling

Actually it is over-filling

2.Disadvantage of X ray film

- 3D structure shooting at 2D plana, because of different angles, easily getting wrong data.
- Apical foramen can't be shown in the X ray film, for over 80% apical foramens are in the side edge instead of apex.



The apical foramen is in the side edge, X ray shooting cause error length, The greater error, more serious over-filling

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