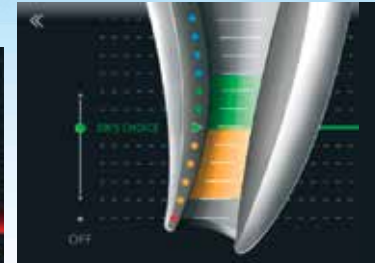
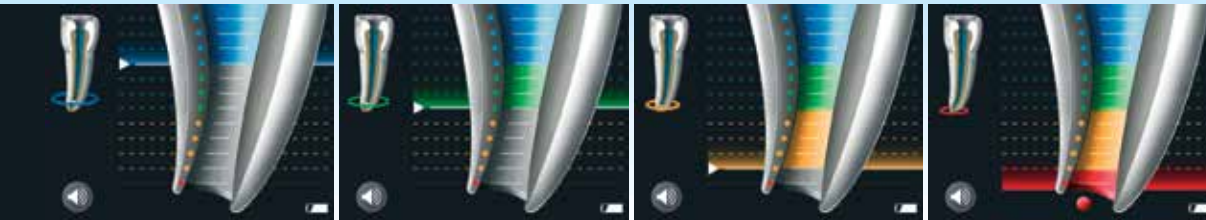


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APEX LOCATOR



TIPS FOR SUCCESSFUL LENGTH DETERMINATION



1 BLUE BARS

The file is approaching the typical working length position.

2 GREEN BARS

Corresponds to area just short of apical constriction.

- ▶ *Working length should usually be determined at the third green bar – may vary due to clinical situations and clinician's expertise.*

3 YELLOW BARS

Corresponds to area just short of foramen.

4 RED BAR

Corresponds to foramen.

RED DOT

Corresponds to file extended beyond the apical foramen.

DR'S CHOICE

custom set working Length Line provides visual and audio indications that the file tip has reached the clinician's preselected working length.

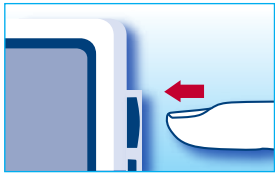
Battery symbol only shows when disconnected from charger.



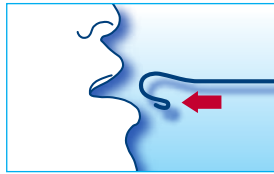
White: indicates battery level from fully charged to approximately 20% of capacity.



Flashing red: When battery level drops under 20%, the indicator will turn red and start flashing. The battery needs to be recharged.



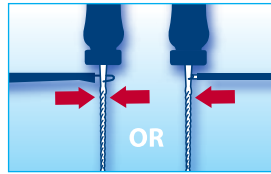
Switch on the device



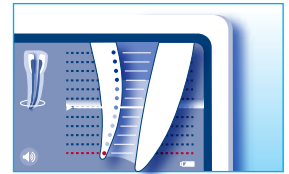
Put the lip clip on the patient



Insert the file into the canal



Connect the file clip or use touch probe



Start to measure

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PROBLEM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
"Instant" or Erratic Reading	Excess fluids in pulp chamber can create a conductive path in error	Dry the access cavity or wait until excess bleeding can be stopped.
	Gingival contact	Isolate the tooth with a rubber dam.
	File is contacting metal crown, filling, post, braces, etc.	Isolate the metal from the file.
	Calcification	Shape coronal 1/3 of canal prior to taking a reading.
Slow or Delayed Reading	File movement issue	Don't push and pull file, instead, gently rotate clockwise.
	A blocked or damaged canal can affect conductive path	Recapitulate with small hand file to reestablish working length. Remove old filling materials, pastes, etc.
	Extremely dry canal	A slightly moist canal is recommended, ideally moisten with saline, low percentage NaOCl or QMix [®] 2in1 Irrigating Solution.
Blank Screen or No Reading	Patient dry mouth	Use water spray or place the lip clip in patient's hand with a wet gauze.
	Dropped or jarred unit	Contact Technical Service.
Incorrect Reading	Battery Discharged	Charge battery. Contact DENTSPLY Tulsa Dental Specialties if not resolved.
	Large apical foramen	
	Root Fracture	
	Sudden curvature near apex	
File too small for the apex	Select a file size comparable to the apex diameter.	

Reference Step by Step instructions (Section 7) and the Tips for Successful Length Determination (Section 7.5.1) in the Directions for Use.



CONSULT INSTRUCTIONS FOR USE

Rx Only For Dental Use Only

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