

Now please read the instruction manual for additional information, being sure to carefully review the "Operation" section.

4. Take readings before instrumenting. We have found that the Root ZX performs best before filling the canal. It can be used to confirm lengths after filling, however, it is beneficial to find the working length before instrumenting the canals. If you are having trouble obtaining a consistent reading when introducing the file to the canal, it is recommended to remove more tissue. If no reading occurs, it is possible that you are in a large canal and a larger file is needed or the canal may be calcified.

3. Utilize Parateny (Always advance the file until an apex reading is obtained). It is essential that the file be taken to the apex first then returned to the apical constriction. It is important to advance the file with a slow clockwise turn until the word "APEX" begins to flash. When the apex is reached, turn the file with a slow counterclockwise turn until the meter reads .5mm. At this time, the tooth will begin to flash on the left side of the monitor. This indicates you are at the apical constriction.

2. Dry the pulp-chamber and the coronal portion of the tooth. The canal may be wet with sodium hypochlorite, blood, water, local anesthetic or even the pulp, however, the coronal portion (pulp chamber) must be kept dry. If there is moisture in the coronal portion of the tooth, the electrical current may leak into the soft tissue or possibly contact a metal restoration and give an instant apex reading. It is important to clean the chamber and dry it. Please use cotton, if necessary, to dry the coronal portion of the tooth.

1. Turn the unit on before plugging in the attachments and probe. The Root ZX automatically calibrates in the first few seconds after the main switch is activated. The flashing constriction indicator bar will appear when the unit is done calibrating. Please do not attach the file holder and lip-clip (contrary electrode) to the patient and then turn the unit on. This will not allow the unit to accurately calibrate.

We have found the following guidelines will aid the clinician in obtaining more accurate readings and a better understanding of how to use the Root ZX:

The ROOT ZX is an electronic apex locator that may be used with extreme accuracy in a wet canal in the presence of sodium hypochlorite, blood, water, local anesthetic and even the pulp. It is recommended that all clinicians review this newsletter and the instruction manual prior to operating the unit.

ROOT ZX

Newsletter

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INNOVATIONS IN ADHESIVE MATERIALS AND TECHNIQUES