



# EndoPilot mobil.

Tips for measuring the working length.





# How to measure correctly:

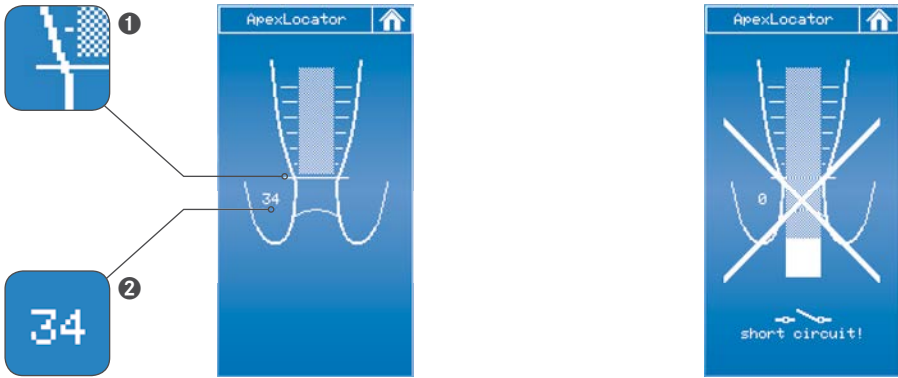
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## Check the frame conditions:

- The lip clip and the instrument serve as electrodes. The lip clip is hooked in the patient's cheek pouch on the opposite side of the tooth to be treated.
- Make sure that the root canal is moist. Without ion flow, no measurement can take place. The canal should therefore be moistened with saline solution. The dental enamel and the cavity floor should, however, be dry in order to prevent a parallel flow and an erroneous, premature indication of the apex, i.e. at too high a position in the canal, where in fact the apex has not yet been reached.
- Contact with conducting filling residues can also lead to a premature indication of the apex.
- Has the lip clip been correctly positioned? It should be in contact with the oral mucosa. Make sure that it is not placed on the rubber dam.
- Does the tooth have any cracks or perforations? If so, a measurement is not possible because the apex would be indicated too early.
- Are there any residues of medicaments, excessive moisture or sodium hypochlorite (> 2%) in the canal? If so, the presence of a significantly increased number of ions can lead to the measuring result being shifted in a coronal direction. This would lead to a false reading, i.e. the apex would be indicated too early. Prior to the measurement, extract any sodium hypochlorite solution and rinse the canal with physiological saline solution.
- Compare the established working length with the control radiograph.

## Prior to mechanical processing:

- Is the root canal free from obstructions along its entire length? At the beginning of each treatment, the patency of the canal should be checked with a probe. To remove any obstructions or blockages from the canal right down to the required working length, manual instruments with a taper of 02. are normally used.



### The indicator:

During the mechanical preparation of the root canal, the marker/cross bar [1] indicates when the position of the “auto-stop” function has been reached. The motor briefly stops at this point. Leave your foot on the foot switch. The motor restarts and you can pull the instruments out of the canal.

The figure [2] indicates the length of the indicator bar. The value is indicated without units, i.e. it is not displayed in millimetres. If you would like to get back to any chosen position in the canal, just memorize this figure.

### If the apex measuring function fails to work:

- The measuring function might be switched off. To check this, select a file under “system”. Press the “options” key, where you will find the “apex function”. Has this been switched off by mistake? If so, switch to “auto-stop”.
- Check the apex cable as follows: Attach the file clamp to the lip clip. The display now shows a cross. Now move the cable back and forth from section to section. If there is a problem with the contact, the cross will disappear from time to time. In case of a broken cable, simply send the cable in to have it repaired.
- How to check the contra-angle: Hold the inserted file next to the lip clip. The cross should now appear on the display.



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