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MEDICNRG™
Precise Endo Technology

Optimizing your Endo Performance

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ApexNRG • RIDER

Digital apex locator designed to work with endodontic handpieces with real time measurements at 0.1 mm precision



Ensures security and peace-of-mind while performing the entire endo procedure.



- Optimally prepare the canal all the way to the apical constriction without fear of penetration of the peri-apical tissues
- Reduce patients' exposure to harmful X-rays
- Can be added onto most micro-motors
- Can be used in 3 modes: Riding, Satellite and Stand Alone

Real time measurement • Extra fine resolution of measurement • Automatic adjustment of the measuring current to changing conditions within the canal: Wet, Dry, Bleeding • Automatic calibration • Flexible rotation of the unit for comfortable viewing of the display • Short cables • Lightweight - only 26 grams • Fully autoclavable accessories • Audible alarm • Turn on by touching the file to the lip hook • Automatic shut-off

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ApexNRG • RIDER

MANUFACTURER'S 36 MONTHS WARRANTY

The DSP measuring technology implemented exclusively in MedicNRG's apex locator devices is now available for use with most existing handpieces.

The **ApexNRG-Rider** is compatible with most E-type motors and can be adapted to fit many other handpieces using a special adaptor kit.



The **ApexNRG-Rider** provides an accurate indication of the position of the file within the root canal, with a measuring tolerance of 0.1 mm.
The root canal can be prepared to the correct working length, minimizing the risk of over-instrumentation to the peri-apical tissues.

Using the **ApexNRG-Rider** will significantly increase the precision of the root canal preparation as compared when using comparable analog devices having a measuring tolerance of only 0.5 mm and built in lag time, or when relying solely on x-rays.

The **ApexNRG-Rider** can be used in 3 modes:
>> **Riding:** The ApexNRG-Rider is mounted on your endodontic handpiece.
>> **Satellite:** The ApexNRG-Rider is connected to your handpiece by a cable, without being mounted on the handpiece.
>> **Stand Alone:** The ApexNRG-Rider is disconnected from the handpiece and used as a standard, independent apex locator.

DSP Technology & Benefits

MedicNRG's advanced digital technology based on proprietary firmware decodes the signals returning from the root canal as a resulting from the electric stimulus sent towards the apical constriction.

The proprietary algorithm continuously translates the data received via micro-electrical signals, refreshing the display constantly so that each minute movement of the file is read in real time.

The specially designed warning system prevents the registration of inaccurate information that might impair treatment, increasing the Rider's reliability.

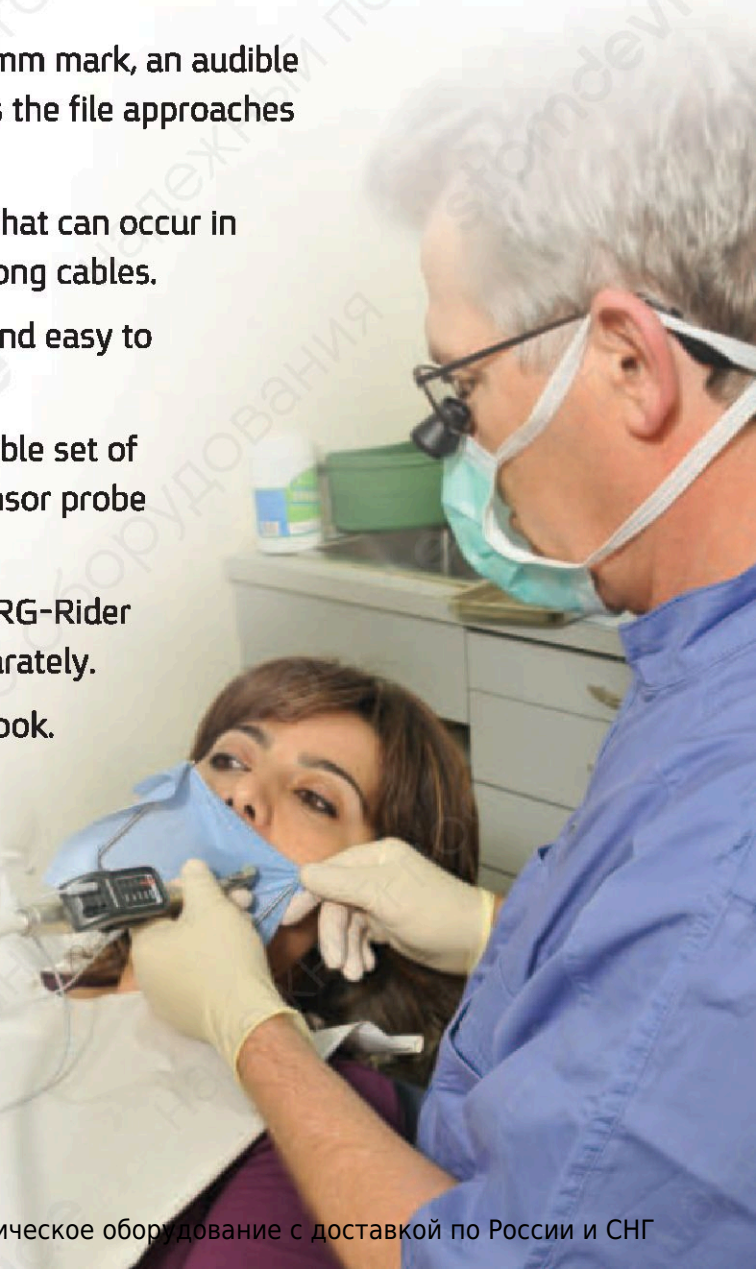
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User friendly features:

- Maximum control of the procedure - The file's progress is marked by 6 LEDs showing the length of the root canal in millimeters clearly on the user friendly display.
- Automatic calibration - MedicNRG's apex locators automatically self calibrate, as opposed to comparable devices which need to be manually recalibrated from time to time.
- Audible alarm - When the file reaches the 0.5 mm mark, an audible alarm sounds, changing pitch and frequency as the file approaches the apical constriction.
- Short cables prevent external EMI distortions that can occur in weak and sensitive signals that are typical of long cables.
- Compact instrument, 26 grams, easy to store and easy to manipulate during treatments.
- Fully autoclavable accessories, including a double set of cables, lip hooks, apron clasps, as well as a sensor probe and exclusive mini file holders.
- Special adaptor kits for assembling the ApexNRG-Rider on different handpieces can be purchased separately.
- Turn on by simply touching the file to the lip hook.
- Automatic shut-off.
- Easily replaceable battery (MedicNRG's drawer system) and a long working life.
- 36 month Guarantee



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