

HI TECH ENDO APEX

new **ENDOMOTOR** with integrated **APEX LOCATOR** in:
- «Reciprocating» F+R Function
- «Continuous Rotary mode» with «SAR»



OPEN TO ALL FILE SYSTEMS!



Available with
Endo Contrangle
on request

«RECIPROCATING»



- Specific setting available for all file systems
- Programmable angle from 10° to 360° in Forward and Reverse



«CONTINUOUS ROTARY»



- Automatic safety functions: Standard AutoReverse + «SAR»
- Saving up to 10 individual torque and speed settings



«APEX LOCATOR»



- Integrated length control or separate length determination
- Accurate Measurement. No Zero-Adjustment. Automatic Calibration



HI TECH ENDO APEX

RECIPROCATING MOVEMENT

RECIPROCATING MOVEMENT is based on the natural, manual file forward and reverse motion for more:

- **SIMPLICITY**
- **EFFICIENCY**
- **SAFETY**

ROTATING MOVEMENT

Keep all the benefit of the ROTATING MOVEMENT while ensuring a constant and regular motion.

AUTO-REVERSE accuracy:

- extremely short time of response when torque is reached
- a beeping tone warns you when the 75% of the pre-set torque is reached

At about 75% of the pre-set torque, alarm activates



AUTO - REVERSE MODE

1. STOP
Stop without reverse rotation

2. STANDARD
Runs in reverse rotation

3. SPECIAL
Returns automatically in Forward



When the torque setting is reached, the file auto reverses 0.5 sec. then continues again in the cutting direction. «SAR» reduces file fatigue, as well as the possibility of file breakage. Safely & efficiently clean & enlarge canals with «SAR» technology.

Reciprocating

Rotating

P 1

Speed **Rpm 500**

20:1

FWD° 360°

REV° 360°

F+R

Calibration

P 1

Speed **Rpm 500**

20:1

Torque Ncm 2.5

SAR Fwd

ROT

Calibration

Apex Locator



- Ratio** 5 Contra-Angle Ratio settings (1:1 - 6:1 - 16:1 - 20:1 - 32:1)
- Speed** Speed without Contra-Angle: 1000 to 10000 rpm
Speed with a: 16:1 contra-angle = 100 to 600 rpm

- Torque** Torque with a:
16:1 contra-angle = 0,5 to 10 Ncm (Max)
6:1 contra-angle = 0,5 to 4,1 Ncm (Max)

- FWD° REV°** Dedicated to Reciprocating (F+R) Mode Adjustment from 10° to 360° in forward and reverse motion

Large Color LED Display is easy to read and provides a clear progressive display with high contrast. Yellow indicators illuminate when the file is approaching the apical constriction.

Model	Code	Description
HI TECH ENDO APEX	HTEA900	Endo Unit: - Electronic Control Console - Micromotor Assembly - «Easy» Foot Control - Power Supply