

# KaVo DIAGNOdent Brief Operating Instructions

## Calibration - Unit must be calibrated:

- Before each patient or
- Peak is +/-3 of standard when checked against yellow disc
- Switch unit on by depressing the grey ring
- Hold tip in the air
- Press CAL key and release. A zero will appear in the Moment display followed by a second zero in the Peak display
- The display changes to the two-digit standard number and a letter e.g. "b" or "c" (standard number and letter are on the yellow disc)
- Simultaneously, the unit begins to emit an audible tone
- Gently place the tip on the yellow disc, holding steady
- While touching the disc the two-digit number will also appear under the Peak display and the audible tone will cease
- CALIBRATION COMPLETE WHEN TONE STOPS



## Zero Base Line Reading:

- Due to variances in healthy tooth structure, a base line reading must be set for each patient before the exam begins
- Select one apparently healthy tooth. Mid facial surface of #8 or #9 is ideal (note baseline location in patient chart for future reference)
- Hold the probe against the tooth and depress & hold grey ring for 2 seconds
- "SET 0" will appear indicating base line reading is achieved, release grey ring
- ZERO BASE LINE IS SET



## Scanning Teeth:

- Place probe on tooth surface with light contact
- As you scan the tooth, slowly rock the wand in a pendulous motion
- The Moment will indicate real time value and will continuously change
- The Peak represents the highest reading captured so far on that tooth
- The Peak won't change unless the Moment goes higher
- The Peak is the number you will chart for diagnosis
- Reset the Peak by squeezing the grey ring and move on to another tooth
- PLEASE NOTE: Plaque, calculus as well as some dental materials could cause adversely high readings. Including, but not limited to, prophylaxis paste, composites, ceramics, cements, and other forms of restorative material that could misrepresent the health of underlying tooth structure by their fluorescence.



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## Quick tips to get started:

- When attaching the handpiece tubing to the unit, SCREW THE HOSE NUT ONTO THE UNIT UNTIL SNUG. This step is critical.
- Twist handpiece sleeve back and forth with slight down pressure until it seats. Twist to remove. Please don't pull.
- Please don't push tips onto handpiece. Rather twist tips back and forth with slight down pressure until it seats. TWIST TO REMOVE.



## What do the numbers mean?

**0 - 10** Healthy Tooth Structure

**11- 20** Outer Half Enamel Caries

**21- 30** Inner Half Enamel Caries

**30+** Dentin Caries

Important: Please refer to the KaVo DIAGNOdent Clinical Guidelines for additional information, possible course of action and references to research.

Please remember:

- ✓ Teeth must be free of organic stain, plaque and calculus as these substances tend to have a high degree of fluorescence.
- ✓ "Moment" display is the real time reading.
- ✓ "Peak" display holds the highest value attained until it is reset by one squeeze of the grey ring.