## DIAGNOdent® Models

### DIAGNOdent Pen
- **Features**
  - Portable, handheld, pen-like device – moves easily from room to room
  - Prospective usage:
    - Ideal for offices that already use the DIAGNOdent and would like to have the added mobility of the hand-held DIAGNOdent pen unit
    - Ideal for dentists to confirm the precise location of the lesion prior to restorative treatment following an initial exam by the hygienist
  - Integrated loudspeaker with intensity control emits audible tone
  - Battery operated for complete mobility (includes 1 x AA battery)
  - Highly resistant sapphire tips
  - Storage / sterilization cassette with 2 occlusal tips
  - Unit display shows maximum (peak) and current (moment) readings
  - Detachable / sterilizable grip sleeve and tips (275°F / 135°C)
  - Calibration standard
  - Can be used with or without protective barriers
- **Part No.** 1004.3400

### DIAGNOdent Classic
- **Features**
  - Portable, light, slim design with fiber optic tubing and light, thin handpiece for easy access and comfort
  - Prospective usage:
    - Ideal for use during new patient exams and regular hygiene appointments
    - Allows for patient interaction and education. During scanning, the patient can hold the unit while both the operator and patient can monitor the values on the unit display
  - Integrated loudspeaker with intensity control emits audible tone
  - Rechargeable batteries included
  - Storage / sterilization cassette with 2 occlusal tips
  - Unit display shows maximum (peak) and current (moment) readings
  - Detection of subgingival calculus and type of lesion
  - Detachable / sterilizable sheath covers the tips
  - Can be used with or without protective barriers
- **Part No.** 1004.3400

## Product List

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Part No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIAGNOdent pen</strong></td>
<td>High Tech Laser Fluorescence Caries Detection Aid</td>
<td>1004.3400</td>
<td></td>
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<tr>
<td><strong>DIAGNOdent Display Unit 2191</strong></td>
<td>Values are shown simultaneously on the DIAGNOdent pen and on the remote display</td>
<td>1004.8400</td>
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<tr>
<td><strong>DIAGNOdent Classic</strong></td>
<td>Detect subgingival calculus for the treatment of periodontal disease. Sterilizable.</td>
<td>0574.0500</td>
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<tr>
<td><strong>DIAGNOdent Pen Perio Tip</strong></td>
<td>Perio Tip for detection of subgingival calculus in periodontal pockets</td>
<td>1004.0370</td>
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<tr>
<td><strong>DIAGNOdent Classic Perio Tip</strong></td>
<td>Perio Tip for detection of subgingival calculus in periodontal pockets</td>
<td>0574.1311</td>
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<tr>
<td><strong>DIAGNOdent Pen Tip</strong></td>
<td>For occlusal surfaces</td>
<td>1002.6967</td>
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<tr>
<td><strong>DIAGNOdent Pen Barrier</strong></td>
<td>250 pack</td>
<td>1007.1480</td>
<td></td>
</tr>
<tr>
<td><strong>DIAGNOdent Classic Barrier</strong></td>
<td>250 pack</td>
<td>1007.1479</td>
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<tr>
<td><strong>DIAGNOdent Classic Tip</strong></td>
<td>Type A Tip for occlusal surfaces</td>
<td>0574.1311</td>
<td></td>
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<tr>
<td><strong>DIAGNOdent Classic Tip</strong></td>
<td>Type B Tip for flat surfaces</td>
<td>0574.1321</td>
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<tr>
<td><strong>DIAGNOdent Classic Sheath</strong></td>
<td>Covers the DIAGNOdent tip and assist in asepsis control</td>
<td>0574.1211</td>
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</tbody>
</table>

### Notes

KaVo Hygiene 360° Everything Easy. Everything KaVo.

DIAGNOdent is the one instrument a hygienist should never be without.

- Jeanne Godett, RDHEP

KaVo Dental Corporation
11727 Fruehauf Drive
Charlotte, NC 28273
1.888.ASK.KAVO
www.kavousa.com

DIAGNOdent Pen Perio Tip
DIAGNOdent Classic Perio Tip

KaVo DIAGNOdent® Laser Caries Detection Aid

KaVo. Dental Excellence.

Do it. www.TRYKavo.com
**What is DIAGNOdent technology and how does it work?**

* DIAGNOdent uses laser technology to detect and quantify hidden or sub-surface caries by measuring fluorescent light emitted from the tooth's structure.
* The device operates at a wavelength of 660 nm. At this specific wavelength, caries-producing bacteria emits light or no fluorescence, resulting in very low scale readings on the display.
* Altered tooth substances and bacteria, including caries, will fluoresce. The DIAGNOdent will react with structural changes in the tooth.

**A Changing Caries Model**

Due to fluorescence, caries has gone "underground." This helps to improve the use of both of many conventional methods. Incipient caries lesions that fluorescence will have lower scale readings than on the tooth's surface.

**Proven Clinical Results**

Treatment decisions require a higher degree of certainty. The DIAGNOdent laser caries detection will remove the doubt from treatment decisions regarding hidden caries on questionable clinical parameters. The diagnostic ability to non-invasively detect and fluorescence enables dentists to treat visible caries lesions with confidence. The following case studies demonstrate the DIAGNOdent’s diagnostic advantage over conventional methods.

**Why KaVo DIAGNOdent®**

• The DIAGNOdent is an extremely accurate, reliable and non-invasive game changer.
• Altered tooth substances and bacteria, including caries, will fluoresce.
• DIAGNOdent uses laser technology to detect and quantify hidden or sub-surface caries.
• Coherent beam.
• Laser beam is emitted from the DIAGNOdent pen that indicates if caries is present or absent.

**KaVo Hygiene 360°**

Everything Easy. Every step. KaVo.

**Treat With Confidence**

The DIAGNOdent® is a diagnostic device that aids the dentist in making treatment decisions with confidence. Unlike traditional diagnostic methods, DIAGNOdent® is an extremely accurate and reliable adjunct for the detection of sub-surface caries. It removes the guesswork that accompanies many conventional methods.

**Practical example:**

1. Professional teeth cleaning
2. Examination with the DIAGNOdent® pen
3. Initial diagnosis
4. Fluoride

**Healthy Tooth Tissue**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Scaling</td>
</tr>
<tr>
<td>2</td>
<td>Tooth</td>
</tr>
<tr>
<td>3</td>
<td>Fissure</td>
</tr>
<tr>
<td>4</td>
<td>Proximal</td>
</tr>
</tbody>
</table>

**Early Demineralization**

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**Strong demineralization**

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<td>Fissure</td>
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**Conservative**

• Prevents "exploratory" excavation or under-treatment of suspect teeth.
• Allows dentists and hygienists to treat questionable sites with confidence.
• Serves as a patient education tool.
• Eliminates "goofy fingers" exploration of sub-surface caries.
• Creates "wow" customer service experience that can result in more patient referrals.
• Protects the practice’s reputation as a high-tech, quality practice.

**Cost of DIAGNOdent**

KaVo Officest typically receive the following payback period:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Cost (USD)</th>
</tr>
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<tbody>
<tr>
<td>Hygiene</td>
<td>$1,950</td>
</tr>
<tr>
<td>Cleaning</td>
<td>$1,050</td>
</tr>
<tr>
<td>Fissure</td>
<td>$2,389</td>
</tr>
<tr>
<td>Proximal</td>
<td>$2,700</td>
</tr>
</tbody>
</table>

**DIAGNOdent® Technology and Benefits**

**Associate**

• Up to 10x less caries is detected.
• Clinically proven.

**Convenience**

• Prevents "exploratory" excavation or under-treatment of suspect teeth.
• Creates an extremely accurate diagnostic tool.
• Enables early diagnostic and interventional treatment.
• Spectral analysis enables differentiation of tooth tissue and caries.

**Consultation**

• Provides real-time feedback.
• Clinically proven.

**Confidence Builder**

• Increases patient confidence.
• Provides real-time feedback.
• Clinical proven.

**Empowerment**

• Helps patients understand common caries mechanisms.
• Clinical proven.

**Early diagnosis**

• Enables early diagnostic and interventional treatment.
• Spectral analysis enables differentiation of tooth tissue and caries.

**Easy to Use**

• Compact, portable device with user-friendly design.
• High patient acceptance, great for marketing your practice.
• Allows dentists and hygienists to treat questionable sites with confidence.
• Prevents "exploratory" excavation or under-treatment of suspect teeth.
• Creates "wow" customer service experience that can result in more patient referrals.

**Practice Growth Opportunities**

• Enables practice to maintain a high level of care.
• Spots early demineralization.
• Increases patient satisfaction and practice referrals.
• Prevents "exploratory" excavation or under-treatment of suspect teeth.
• Provides real-time feedback.
• Enables early diagnostic and interventional treatment.
• Spectral analysis enables differentiation of tooth tissue and caries.
• Improves patient education.

**DIAGNOdent® benefits to hygiene department:**

• Enables practice to maintain a high level of care.
• Prevents "exploratory" excavation or under-treatment of suspect teeth.
• Provides real-time feedback.
• Enables early diagnostic and interventional treatment.

**Use of the diagram:**

The diagram illustrates the process of using the DIAGNOdent® device to diagnose caries. The arrow indicates the direction of the beam, and the scale value is shown on the display. The location of the lesion is marked with a red dot, and the fluorescence is indicated with a green or red color.