Gastroesophageal reflux disease is typically thought of as an acid reflux problem. However, studies have shown that bile reflux can be a contributing factor in esophageal complications of the disease.\(^1\, ^2\)

Incidence of Barrett’s esophagus and esophageal adenocarcinoma is greater among patients with bile reflux,\(^3\, ^4\, ^5\) and excessive duodenogastric reflux has been implicated in the etiology of antral gastric ulcers and gastritis.\(^6\)

Bilitec 2000 is currently the only commercially available device that is proven effective in measuring bile reflux.\(^7\) Using bilirubin as a marker for bile, Bilitec 2000 records the frequency and duration of bile exposure in either the stomach or the esophagus over a 24-hour period.

Combined with 24-hour pH testing, Bilitec 2000 gives a more comprehensive profile of a patient’s reflux disease. It can help identify patients with a bile component to their reflux and who are thus at greater risk for developing complications of the disease such as Barrett’s esophagus and esophageal adenocarcinoma. Bilitec 2000 is exclusively distributed by Medtronic Functional Diagnostics.
Is it really acid reflux? Is acid reflux the whole problem or just part of it?
Combined pH and bile testing provides the answers, resulting in more precise diagnosis and better patient management.

Cross analysis made easy with combined graphical view and report
The pH and bile tracings are displayed in the same graph for easy viewing, correlation, analysis and reporting with the Polygram 98 software.

**Bilitec™ 2000 System Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of channels</td>
<td>1-2</td>
</tr>
<tr>
<td>Sampling rate</td>
<td>Every second; average value calculated per every 4s, 8s or 16s</td>
</tr>
<tr>
<td>Power supply</td>
<td>4 AA size 1.5V alkaline batteries</td>
</tr>
<tr>
<td>Current consumption</td>
<td>16mA in measurement configuration, 35mA in set up configuration</td>
</tr>
<tr>
<td>Communication</td>
<td>RS 232</td>
</tr>
<tr>
<td>Communication speed</td>
<td>9600 baud</td>
</tr>
<tr>
<td>Resolution</td>
<td>8 bit</td>
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<tr>
<td>Display</td>
<td>LCD display</td>
</tr>
<tr>
<td>Dimensions</td>
<td>200 x 100 x 35mm, 8 x 4 x 1.4 inch</td>
</tr>
<tr>
<td>Weight</td>
<td>450g, 16oz</td>
</tr>
<tr>
<td>Software</td>
<td>Polygram 98 pH Testing Application</td>
</tr>
</tbody>
</table>

**Accessories**

Fiberoptic catheter

**References**


Data is subject to change without notice.

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**Medtronic**

When Life Depends on Medical Technology

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