Overview

This testing device measures the chemicals in the breath; classifies the volatile sulfur compounds, a major component of halitosis, into three causal components (hydrogen sulfide, methyl mercaptan, and dimethyl sulfide); and provides a precise reading of each gas concentration. It is useful for identifying the cause of halitosis.

Purpose and effect

- As an indicator to identify the cause of halitosis
- As an auxiliary tool to control oral health
Basic function
- Classifies volatile sulfur compounds into three causal components (hydrogen sulfide, methyl mercaptan, and dimethyl sulfide) and measures each gas concentration.
- Displays concentration values in standard units (ng/10 ml and ppb).
- Ensures precise measurement accuracy using semiconductor gas sensor and simple column.
- Not affected by ambient temperature and humidity.
- Short standby time after power-on (basically within 30 minutes).
- Short measuring time (4 minutes).
- Designed for silent operation.

Operability
- Operation time to collect oral breath sample is shortened by using small-capacity syringe for suction. (This lessens load on test subject.)
- Data can be stored and managed with a PC using specially designed software.
- Light and compact.

Maintainability
- Long-life sensor and column (maintenance free for approx. 2 years).

Specifications

<table>
<thead>
<tr>
<th>Product name</th>
<th>OralChroma</th>
<th>Type:</th>
<th>CHM-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection system</td>
<td>Simplified gas chromatography</td>
<td>Sample gas quantity:</td>
<td>1 cc</td>
</tr>
<tr>
<td>Detectable gas</td>
<td>Following components included in volatile sulfur compounds</td>
<td>Measuring time:</td>
<td>4 minutes</td>
</tr>
<tr>
<td></td>
<td>1) Hydrogen sulfide</td>
<td>Detection unit:</td>
<td>ng/10 ml and ppb</td>
</tr>
<tr>
<td></td>
<td>2) Methyl mercaptan</td>
<td>Gas collection method:</td>
<td>Manual use of syringe</td>
</tr>
<tr>
<td></td>
<td>3) Dimethyl sulfide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Operating humidity range: Relative humidity of 80% or less (no condensation)
- Operating temperature range: 10～30℃
- Storage humidity range: Relative humidity of 20～90% (no condensation)
- Storage temperature range: -20～60℃
- Power: AC 100～220V, 50/60 Hz
- Power consumption: 40 VA
- Outer dimensions (mm): 280 (W) x 130 (H) x 400 (D)
- Weight: approx. 5.5 kg
- Output terminal: RS232C
- PC connection software: ※ Windows 2000 / NT4.0(SP5) / XP / Vista / 7
  ※ The OralChroma connects via USB port.
  ※ The OralChroma requires a display resolution of 1024x768 pixels or higher.

● Windows is a trademark of Microsoft Corporation of the United States and/or other countries.
● Specifications, product improvements, and external appearance are subject to change without notice.
● This product does not include a personal computer.

This product is not approved as medical equipment.

![Insistec Logo](image)