NISSHA

Nissha FIS, Inc.

# OralChroma

**Halitosis Measuring Device**

CHM-2

Identifying halitosis degree

Managing oral health

Motivating oral hygiene

## Measuring major oral gas components with high precision

OralChroma separates volatile sulfur compounds in oral breath into three major chemicals (hydrogen sulfide, methyl mercaptan, and dimethyl sulfide) and measures their concentration. This feature is greatly helpful to identify halitosis and confirms the treatment effect.

### High sensitivity and accuracy

Realize high measurement accuracy with gas chromatograph using our original semiconductor gas sensor and small column.

### Easy operation and short measuring time

Measurement automatically starts by simple breath injection and completes in just 4 minutes.

### Easy on patients

Short time breath sampling with a small syringe

### Maintenance free

Maintenance free for 2 years with a long life sensor and column

### Sophisticated data management software attached

Visual halitosis judgment and dental management of each patient history results

http://www.fisinc.co.jp/en

# OralChroma

**Halitosis Measuring Device**

Blue: CHM-2-BL
Pink: CHM-2-PK

PC is not included.

## Specifications

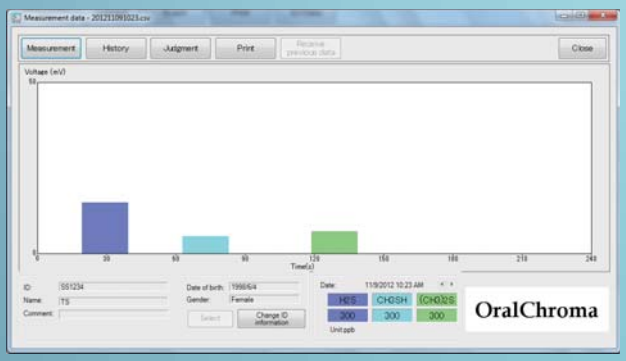
| | | | |
|---|---|---|---|
| Product | OralChroma | Model | CHM-2 (-BL for Blue, -PK for Pink) |
| Detection method | Simple gas chromatography | Sample volume | 1cc |
| Detection gas | Volatile sulfur compounds<br>1. Hydrogen sulfide<br>2. Methyl mercaptan<br>3. Dimethyl sulfide | Measuring time | 4 minutes |
| | | Measuring unit | ppb and ng/10ml |
| | | Sampling method | Manual sampling with a syringe |
| Operating temperature | 10 to 30°C | Operating humidity | 80% RH or less (no condensation) |
| Storage temperature | -20 to 60°C | Storage humidity | 20 to 90% RH (no condensation) |
| Power supply | 100 to 240V AC, 50/60Hz | Power consumption | 60VA |
| Size | 280(W) x 170(H) x 385(D) (mm) | Weight | 4kg |
| External interface | USB | OS for attached software | Windows 7 ／ 8 ／ 10 |

* Windows are trademarks of Microsoft Corporation in the United States and other countries.
* This product requires a personal computer.

* This product does not include a personal computer.
* This product is a measuring device.

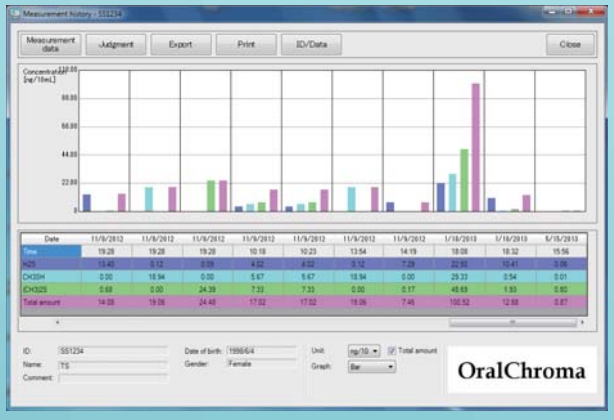
## Breath measurement view

Two real-time measuring view modes are available.
Simple mode (below): Simple bar graph display.
Chromatogram mode: Full range chromatogram display.




## Measurement history view

Treatment progress and effect can be easily understood with numerical values and graphs. This is useful to explain to patients.




### Safety precautions

- Please read the Instruction Manual very carefully before operation.
- Measuring other gases than oral gas may cause malfunction of OralChroma.

- In the interest of continued product improvement, design and specifications may be changed without prior notice.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