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PRODUCT **Halitosis measuring device** (VSC monitor)

OralChroma™ < CHM-1 >

Breath-testing device to measure and classify oral gas concentrations into three major causal components of halitosis.



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

ABIMEDICAL

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 (8 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.)
- Up to 99 measurement data values can be stored.
- Data can be stored and managed with a PC using specially designed software (option).
- Light and compact.

Maintainability

- Long-life sensor and column (maintenance free for approx. 2 years).
- Automated alarm function notifying when it is time to change the rubber plug for the gas inlet.

Specifications

Product name:	OralChroma	Type:	CHM-1
Detection system:	Simplified gas chromatography	Sample gas quantity:	0.5 cc
Detectable gas:	Following components included in volatile sulfur compounds 1) Hydrogen sulfide 2) Methyl mercaptan 3) Dimethyl sulfide	Measuring time:	8 minutes
		Detection unit:	ng/10 ml and ppb
		Gas collection method:	Manual use of syringe

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 the serial port (RS-232C) on the PC. Although it can be connected to a USB port, it requires an additional conversion cable, which must be purchased separately. ※ The OralChroma requires a display resolution of 1024×768 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.

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