

Handheld Odor Meter OMX Series



Odor Measurement in Japan

Offensive Odor Control Law (1971)

“Identify the specified offensive odor substance”

Specified Odor Substances

Substances causing uncomfortable odor,
and threatens to harm living environment

Odor index

Index determined by object gas diluted and detected by human sense of odor

Sensory Test Method (1995)

- 6 grades odor intensity measurement method
- Triangle Odor Bag Method

Odor Measurement in Overseas

Olfactometer Method (Europe)

One of the sensory test that attenuate object gas in order to measure the odor concentration by human sense of odor.

Scentmeter Method (USA)

One of the sensory test that attenuate object gas in order to measure the odor concentration by human sense of odor.

ASTM Method (USA)

One of the sensory test standardized by ASTM (American Society for Testing and Materials)

Odor Measurement Method and the Cost

Identifying the specified offensive odor substance

From approx. \$100/substance

Sensory test method

Gas Chromatography

From approx. \$10,000/machine



Cost & Time



Individual Variation



Running Cost

SHINYEI TECHNOLOGY

About Handheld Odor Meter

The odor strength level calculated by our original formula using semiconductor gas sensors that respond to different types of odors.

Reduce Cost and Time

Quick measurement for complex odor

No individual variation

Digital indication

Easy Maintenance

Recommended calibration / year

Easy to Use

*No
Individual
Variation*

Low Cost



SHINYEI TECHNOLOGY

OMX-SRM

Objected Gas:

Ethanol, Acetone, Hydrogen, etc.

Detection Method:

Odor strength level is calculated by our original formula using two semiconductor gas sensors that respond to different types of odors.

Measuring environment example:

Factories, incinerator plants, effluent treatment facilities, etc.



OMX-ADM

Objected Gas :

Hydrogen Sulfide, Methyl Mercaptan, Ammonia, etc.

Detection Method :

1) Odor strength level :

Calculated by our original formula using two semiconductor gas sensors that respond to different types of odors.

2) Odor Intensity:

Ammonia odor concentration index displayed by the scale of 2.5 to 5.0.

Measuring Environment Example :

Hospitals, nursing homes, etc.



OMX-TDM

Objected Gas :

TVOC(Toluene etc.)

Detection Method :

Calculated by our original formula using a semiconductor gas sensor that respond to TVOC.

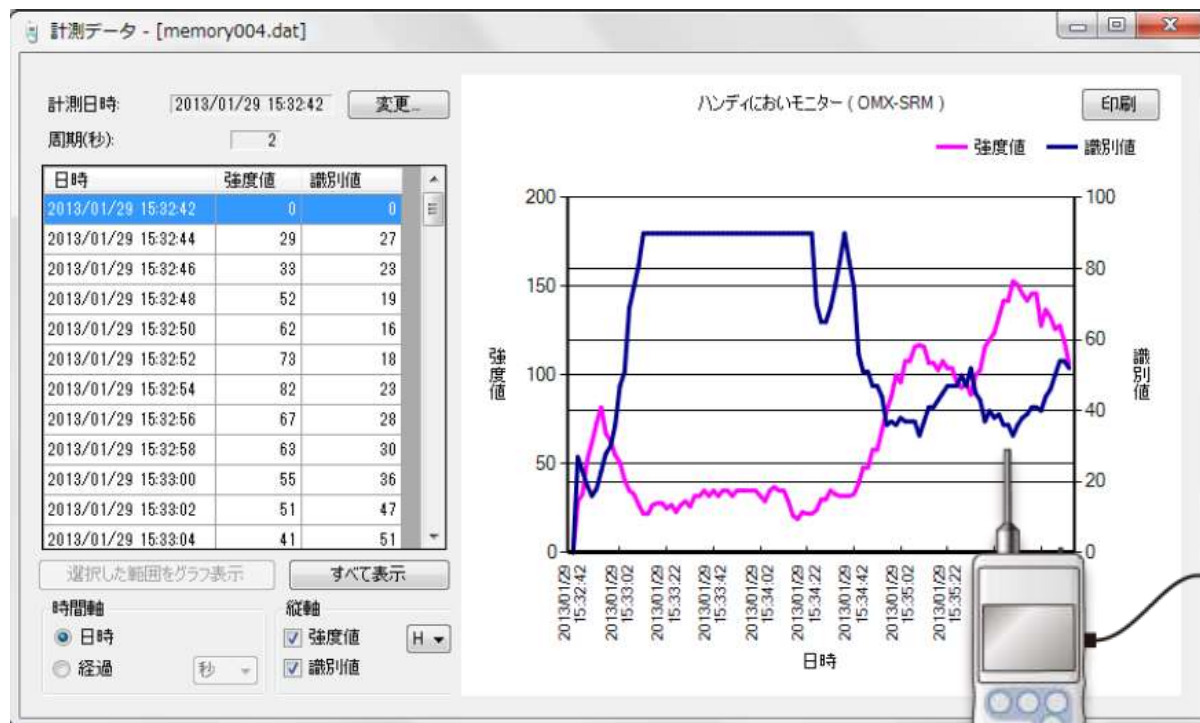
Measuring Environment Example :

TVOC measurement for monitoring IAQ condition.



Data Filing Software

Saving date on your PC



Notes

- Detection of Complex Odor (No odor discrimination)
- No correlation with human sensor of odor

