USE CASE



Quality Control







Environment Measurement

Confirmation

Deodorization Effect

Environment Odor Test

There is a possibiliety that you can not measure correctly

CAUTION

in case of including like the following;

Ozon, NOx, SOx

ACCESSORIES

included in a box.

The following accessories are

Industrial Odor Test



Need maintenance to keep up measurement correctly.

A pump and sensor element is consumption article. It needs to be changed periodically or every 4,000 hours.

We inform the maintenance timing by indicating [M] mark on display.

PROHIBITION

There is a possibility that the sensor element will deterioration if measure a substance like the following;

Hydrogen chloride, Acetone, Sulfur dioxide, Coal-tar, Silicon, Chlorine, Flurocarbon gas, Sulfuric acid mist, Hydrochloric acid mist, Oil mist and so on.

Product name : POLFA Measure target : Odor gases Gus sensor : Metal oxide semiconductor gas sensor Display : LCD digital display Suction : Micropump Suction quantity : about 350ml/min Battery : AA-sized battery or AC power supply(100-240V) Use temperature range : 0 - 40℃ Size : $127.7W \times 209.5H \times 40D$ Weight : about 375g Battery life : Continuous operation 16 hours (display off) External output memory : micro SD card











AA-sized battery Button battery

Strap

Suction nozzle



 $\ast\ast$ Product specifications and contents may change without prior notice. $\ast\ast$ May consider an option to take a legal action against an imitation product. ** Caution an imitation product, copy product, and so on.



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KALMOR

Odor Measuring Instrument produced by an expert of odor is **PDLFA**

Kalmor Odor sensor KAGUROBO series

Made in Japan



Nice Controllability

Graphical

Graph display

Sensing

High Sensitivity







Measurement principle

The oxygen in the air absorbs the electrons on the sensor surface when it is heated at high temperature. It becomes a resistance of electrical flow in the sensor element

If an odor component with a reducing potential comes to the sensor under this condition, the electrons in the sensor can move freely and the electricity can flow highly.

This product reads this voltage difference and displays the odor intensity as the measured value calculated by our original formula.

of electrical flow.

Heate

Elect



Do not need other app MICRO DATE COLLECT SD

-----POLFA is equipped with date collect faunction mode. It is possibility that you measure lonk hours at 1 second, 1 minutes, 30 minutes and so on intervals. Date format is CSV files and this is recorded to micro SD card, so you do not need install any application.



Change a measuring range **SCALE CHANGE** -----

When odor is weak, you use this function. This function makes the difference big, so you can measure a slight difference.



Record atmospheric temperature / humidity SIMPLE THERMO/HYGROMETER -----

POLFA is equipped simple thermometer and hygrometer to support measurement. POLFA is affected from temperature and humidity. After measurement, use the measured value as reference.



A graph is a real-time measured value, which is plotted every 2 seconds. you can see odor fluctuations conviniently.



Usually you do not need calibration but you can get a temporary zero point calibration value when sensor material deteriorate or you need.



It is possible to indicate max value during peak-hold. If you miss a measured value, it is ok.





sensor. (Calibration curve data acquisition is the charged service sep



Long hour working outside AA-SIZED BATTERY -----

Power saving design, up to 16 hours operation available with four AA dry cell batteries. Compared to rechargeable batteries, it' s easy to bring spare power supply, and convenient in the field.

* Up to 8 hours operation with the condition of display light always on.



Bilingual ENGLISH LANGUAGE MENU

MENU is wrriten in simple English for every users. Anyone can use this.