

## 1. PERFORMANCE

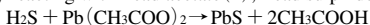
- |                          |   |           |
|--------------------------|---|-----------|
| 1) Measuring range       | : 2-60 ppm  | 1-30 ppm  |
| Number of pump strokes   | 1/2 (50ml)  | 1 (100ml) |
| 2) Sampling time         | : 1 minute/1 pump stroke                                    |           |
| 3) Detectable limit      | : 0.2 ppm (100ml)   |           |
| 4) Shelf life            | : 3 years   |           |
| 5) Operating temperature | : 0 ~ 40 °C   |           |
| 6) Reading               | : Direct reading from the scale calibrated by 1 pump stroke |           |
| 7) Colour change         | : White → Pale brown  |           |

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10 %    RSD-mid. : 5 %    RSD-high : 5 %

## 3. CHEMICAL REACTION

By reacting with Lead acetate(II), Lead sulphide is produced.



## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	ppm	Coexistence
Sulphur dioxide	FIG.1	The accuracy of readings is not affected.	10	Higher readings are given.
Mercaptans	FIG.2	∕	300	∕
Nitrogen dioxide	FIG.3	∕	2	Lower readings are given.

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2 × Reading value

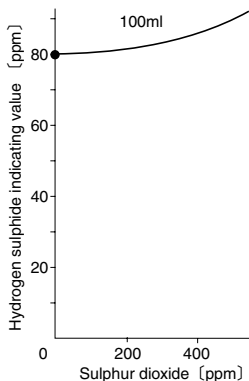


FIG.1 Influence of Sulphur dioxide

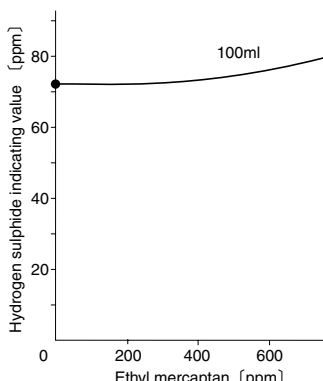


FIG.2 Influence of Ethyl mercaptan

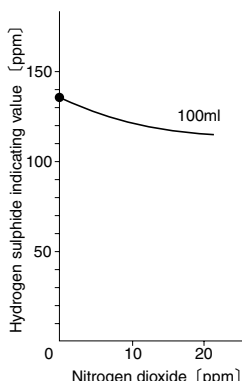


FIG.3 Influence of Nitrogen dioxide