

1. PERFORMANCE

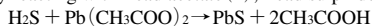
- 1) Measuring range : 2-60 ppm 1-30 ppm
 Number of pump strokes : 1/2 (50mℓ) 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 0.2 ppm (100mℓ)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump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

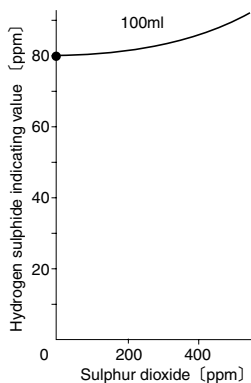


FIG.1 Influence of Sulphur dioxide

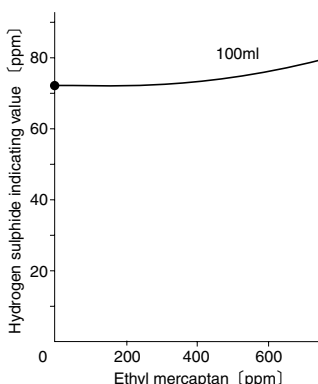


FIG.2 Influence of Ethyl mercaptan

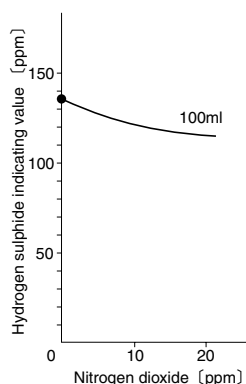


FIG.3 Influence of Nitrogen dioxide