

1. PERFORMANCE

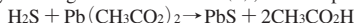
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|--------------------------|---|-----------|
| 1) Measuring range | : 2-60 ppm | 1-30 ppm |
| Number of pump strokes | 1/2 (50mℓ) | 1 (100mℓ) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.2 ppm (100mℓ) | |
| 4) Shelf 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

STANDARD GAS CYLINDER 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)

When the concentration is over 30ppm, 1/2 pump strokes can be used to determine higher concentration with the following formula ;

Actual concentration = 2 × Reading value