

1. PERFORMANCE

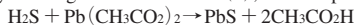
- | | | |
|--------------------------|---|-----------|
| 1) Measuring range | : 2-60 ppm | 1-30 ppm |
| Number of pump strokes | 1/2 (50mℓ) | 1 (100mℓ) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.2 ppm (100mℓ) | |
| 4) Shelf life | : 3 years | |
| 5) Operating temperature | : 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

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