1. PERFORMANCE
1) Measuring range
   Number of pump strokes
   3-150 ppm 1-50 ppm 0.75-37.5 ppm 6-300 ppm
   1 (100mℓ) 3 (300mℓ) 4 (400mℓ) 1/2 (50mℓ)
2) Sampling time
   1 minute / 1 pump stroke
3) Detectable limit
   0.3 ppm (300mℓ)
4) Shelf life
   3 years
5) Operating temperature
   0 ~ 40 ℃
6) Reading
   Direct reading from the scale calibrated by 1 pump stroke
7) Colour change
   White → Dark 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.
   H₂S + Pb(CH₃CO₂)₂ → PbS + 2CH₃CO₂H

4. CALIBRATION OF THE TUBE
   STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

<table>
<thead>
<tr>
<th>Substance</th>
<th>Interference</th>
<th>ppm</th>
<th>Coexistence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur dioxide</td>
<td>FIG.1</td>
<td></td>
<td>The accuracy of readings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>is not affected.</td>
</tr>
<tr>
<td>Mercaptans</td>
<td>FIG.2</td>
<td>»</td>
<td>550</td>
</tr>
<tr>
<td>Nitrogen dioxide</td>
<td>FIG.3</td>
<td>»</td>
<td>2</td>
</tr>
</tbody>
</table>

(NOTE)
In case of 1/2, 3 or 4 pump strokes, following formula is available for the actual concentration.

Actual concentration = Reading value \times \frac{1}{\text{Number of pump strokes}}