



1. PERFORMANCE

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|--------------------------|---|--------------------|
| 1) Measuring range | : 0.025-0.2 gr/100 cf | 0.05-0.4 gr/100 cf |
| Number of pump strokes | 1 (100ml) | 1/2 (50ml) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.005 gr/100 cf | |
| 4) Shelf life | : 2 years | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : Pale yellow → Pink | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reaction with Mercury chloride (II), Hydrogen chloride is produced and PH indicator is discoloured.
 $\text{H}_2\text{S} + \text{HgCl}_2 \rightarrow \text{HgS} + \text{HCl}$

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Sulphur dioxide	Whole reagent is changed to Pale red, but Purplish red stain is indicated H ₂ S concentration.	Higher readings are given.
Hydrogen selenide	Similar stain is produced.	∕
Arsine	∕	∕
Mercaptans	∕	∕
Phosphine	∕	∕
Hydrogen cyanide	Whole reagent is changed to red.	∕

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.
 Actual concentration = 2 × Reading value