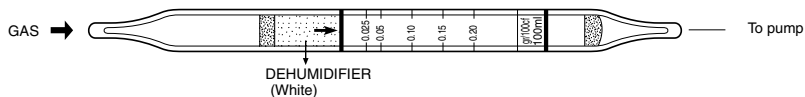


Tube No.
120GR

HYDROGEN SULPHIDE



1. PERFORMANCE

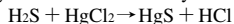
- | | | |
|--------------------------|---|--------------------|
| 1) Measuring range | : 0.025-0.2 gr/100 cf | 0.05-0.4 gr/100 cf |
| Number of pump strokes | 1 (100mℓ) | 1/2 (50mℓ) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.005 gr/100 cf | |
| 4) Shelf life | : 2 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.



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