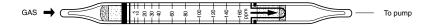
ARSINE



1. PERFORMANCE

1) Measuring range 5-160 ppmNumber of pump strokes $1(100 \text{m} \ell)$

2) Sampling time : 1.5 minutes/1 pump stroke

3) Detectable limit \therefore 1 ppm 4) Shelf life \therefore 2 years 5) Operating temperature \therefore 0 \sim 40 $^{\circ}$ C

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.: 10% RSD-high: 10%

3. CHEMICAL REACTION

Mercury chloride (II) is reduced and Mercury is liberated.

 $AsH_3 + HgCI_2 + H_2O \rightarrow Hg + H_3AsO_3 + HCI$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | ppm | Coexistence |
|-------------------|----------------------------|-----|----------------------------|
| Hydrogen selenide | Similar stain is produced. | 5 | Higher readings are given. |
| Hydrogen sulphide | " | 5 | " |
| Phosphine | " | 5 | " |