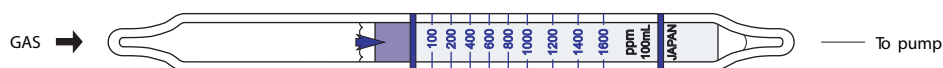


Tube No.
121SH

PHOSPHINE - high range



1. PERFORMANCE

- 1) Measuring range : 100-1,600ppm 200-3,200ppm
Number of pump strokes : 1(100mL) 1/2(50mL)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 5ppm
- 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 → Orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium iodate is reduced.
 $\text{PH}_3 + \text{KIO}_3 \rightarrow \text{I}_2$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Nitrogen monoxide	The accuracy of reading is not affected.	Lower readings are given.
Nitrogen dioxide	"	Higher readings are given.
Hydrogen sulphide	Orange stain is produced.	"
Sulphur dioxide	"	"

(NOTE)

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