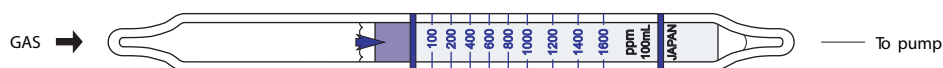


Tube No.  
121SH

## 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