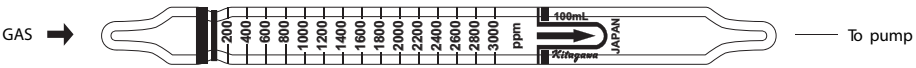
Tube No.
121SS

PHOSPHINE



1. PERFORMANCE

1) Measuring range : 200-3,000ppm 400-6,000ppm
Number of pump strokes 1(100mL) 1/2(50mL)
2) Sampling time : 1 minute/1 pump stroke
3) Detectable limit : 5ppm (100mL)
4) Shelf life : 3 years
5) Operating temperature : 0～40℃
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. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

Potassium iodate is reduced.

$PH_3 + KIO_3 \rightarrow I_2$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	%	Coexistence
Carbon dioxide	The accuracy of reading is not affected.	100	The accuracy of reading is not affected.
Methyl bromide	"	less than 3	"
Hydrogen cyanide	"	3	The stained layer at the side of the gas inlet is bleached out and higher readings are given.
Ammonia	"	0.6	"

(NOTE)

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