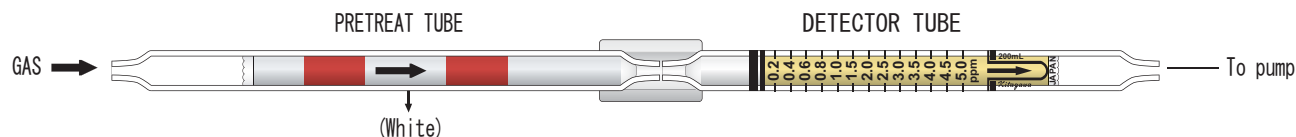


Tube No.
163SD

PROPYLENE OXIDE



1. PERFORMANCE

- 1) Measuring range : 0.2–5.0 ppm
Number of pump strokes : 2 (200mL)
 - 2) Sampling time : 4 minutes/2 pump strokes
 - 3) Detectable limit : 0.1 ppm
 - 4) Shelf life : 1 year (Necessary to store in refrigerated conditions: 0~10°C)
 - 5) Operating temperature : 5~40°C
 - 6) Reading : Direct reading from the scale calibrated by 2 pump strokes
 - 7) Colour change : Yellow → Pale pink
- The accuracy of readings is not affected.

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 10 % RSD-high : 5 %

3. CHEMICAL REACTION

Aldehydes generated through the pretreat tube are detected.

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Ethylene oxide	Similar stain is produced.		Higher readings are given.
Formaldehyde		0.5	"

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	5°C (41° F)	10°C (50° F)	20°C (68° F)	30°C (86° F)	40°C (104° F)
5.0	7.9	6.3	5.0	4.5	4.0
4.5	7.1	5.6	4.5	4.1	3.6
4.0	6.3	5.0	4.0	3.6	3.2
3.5	5.5	4.4	3.5	3.1	2.8
3.0	4.7	3.8	3.0	2.7	2.4
2.5	3.8	3.1	2.5	2.2	1.9
2.0	3.0	2.5	2.0	1.8	1.5
1.5	2.2	1.9	1.5	1.3	1.1
1.0	1.4	1.3	1.0	0.86	0.71
0.8	1.1	1.0	0.80	0.68	0.56
0.6	0.83	0.75	0.60	0.50	0.40
0.4	0.55	0.50	0.40	0.32	0.25
0.2	0.27	0.25	0.20	0.16	0.12