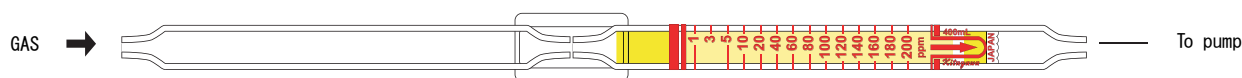


Tube No.
108SC

ETHYLENE



1. PERFORMANCE

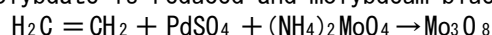
- 1) Measuring range : 1-200 ppm
- Number of pump strokes : 4 (400mL)
- 2) Sampling time : 12 minutes/4 pump strokes
- 3) Detectable limit : 0.1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 4 pump strokes
- 8) Colour change : Yellow→Blue

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Molybdate is reduced and molybdeum blue is produced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Acetylene	Dark brown stain is produced.	Higher readings are given.
Carbon monoxide	Similar stain is produced.	"
Hydrogen sulphide	Black stain is produced.	"
Propylene	Similar stain is produced.	"

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)		
	0 °C (32 °F)	10 °C (50 °F)	20 °C ~ 40 °C (68 °F ~ 104 °F)
200	220	210	200
180	200	190	180
160	180	170	160
140	160	150	140
120	130	140	120
100	120	110	100
80	105	92.5	80
60	85	72.5	60
40	70	65	40
20	55	40	20
10	40	25	10
5	25	15	5
3	18	12.5	3
1	7	4	1