

1. PERFORMANCE

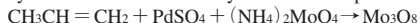
- 1) Measuring range : 50-1,000 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Dark blue

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Molybdate is reduced and molybdeum blue is produced.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Carbon monoxide	45	Similar stain is produced.	200	Higher readings are given.
Acetylene		Brown stain is produced.	50	∕
Ethylene		Similar stain is produced.		∕
Hydrogen sulphide	10	Black stain is produced.	50	Double-layer stain is produced and higher readings are given.

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)			
	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
1000	870	1000	—	—
800	760	800	900	1000
600	540	600	660	720
400	380	400	420	440
200	200	200	200	200