

## 1. PERFORMANCE

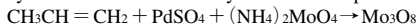
- 1) Measuring range : 50-1,000 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) 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	∕
Ethyene		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

Scale Readings (ppm)	True Concentration (ppm)			
	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
1,000	870	1,000	—	—
800	760	800	900	1,000
600	540	600	660	720
400	380	400	420	440
200	200	200	200	200