

## 1. PERFORMANCE

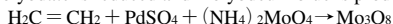
- |                          |                           |            |
|--------------------------|---------------------------|------------|
| 1) Measuring range       | : 0.5-100 ppm             | 0.1-20 ppm |
| Number of pump strokes   | 1 (100mℓ)                 | 5 (500mℓ)  |
| 2) Sampling time         | : 2 minutes/1 pump stroke |            |
| 3) Detectable limit      | : 0.01 ppm (500mℓ)        |            |
| 4) Shelf life            | : 3 years                 |            |
| 5) Operating temperature | : 0 ~ 40 °C               |            |
| 6) Reading               | : Colour intensity method |            |
| 7) Colour change         | : Pale yellow → Blue      |            |

## 2. RELATIVE STANDARD DEVIATION

RSD-low :      RSD-mid. :      RSD-high :

## 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	Interference	ppm	Coexistence
Hydrogen (over 40 °C)	Similar stain is produced.	10%	Whole reagent is discoloured to Blue and higher readings are given.
Saturated hydrocarbons	∕		Higher readings are given.
Acetylene	Dark blue stain is produced.		∕
Carbon monoxide	Green or Blue stain is produced.		∕
Hydrogen sulphide	Black stain is produced.	1,000	∕
Hydrogen cyanide	Original colour is faded to White.		∕
Benzene	Yellowish orange or Yellowish brown stain is produced.		
Carbon disulphide	∕		
Chlorine	∕		
Nitrogen dioxide	∕	1	
Ammonia	Original colour is faded.		Lower readings are given.