

1. PERFORMANCE

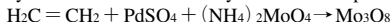
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|--------------------------|---------------------------|------------|
| 1) Measuring range | : 0.5-100 ppm | 0.1-20 ppm |
| Number of pump strokes | 1 (100mℓ) | 5 (500mℓ) |
| 2) Sampling time | : 2 minutes/1 pump stroke | |
| 3) Detectable limit | : 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.