

1. PERFORMANCE

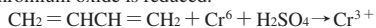
- | | | |
|--------------------------|---|------------|
| 1) Measuring range | : 5-100 ppm | 2.5-50 ppm |
| Number of pump strokes | 1 (100mℓ) | 2 (200mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke | |
| 3) Detectable limit | : 0.5 ppm (200mℓ) | |
| 4) Shelf life | : 1 year | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : Pale yellow → Pale blue | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | Coexistence |
|--|---|----------------------------|
| Esters | Similar stain is produced. | Higher readings are given. |
| Alcohols | ↕ | ↕ |
| Ketones | ↕ | ↕ |
| Aromatic hydrocarbons (more than C ₃) | Whole reagent is changed to Pale brown. | ↕ |

(NOTE)

In case of 2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 1/2 × Reading value