



1. PERFORMANCE

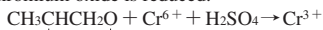
- | | | |
|--------------------------|---|------------|
| 1) Measuring range | : 1.0-5.0 % | 0.05-3.0 % |
| Number of pump strokes | : 1/2 (50mℓ) | 1 (100mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke | |
| 3) Detectable limit | : 0.002 % (20 ppm) (100mℓ) | |
| 4) Shelf life | : 3 years | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : Orange → Dark brown | |

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 |
|--------------------------|-------|------------------------------------|-----|----------------------------|
| Aromatic hydrocarbons | FIG.1 | Similar stain is produced. | | Higher readings are given. |
| Esters | FIG.2 | ∕ | | ∕ |
| Ketones | | ∕ | | ∕ |
| Alcohols | FIG.3 | ∕ | | ∕ |
| Halogenated hydrocarbons | | Whole reagent is changed to Brown. | 0.5 | ∕ |

(NOTE)

In case of 1/2 pump strokes, following conversion scale is available for actual concentration.

