

1. PERFORMANCE

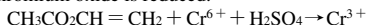
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|--------------------------|---|-----------|
| 1) Measuring range | : 10-120 ppm | 5-60 ppm |
| Number of pump strokes | 1 (100mℓ) | 2 (200mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke | |
| 3) Detectable limit | : 1 ppm (200mℓ) | |
| 4) Shelf life | : 2 years | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : 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	ppm	Coexistence
Acetic acid			The accuracy of readings is not affected.
Ethylene		150	The top of discoloured layer becomes unclear.
Alcohols	Similar stain is produced.		Higher readings are given.
Ethers	∕		∕
Aliphatic hydrocarbons (more than C ₃)	Whole layer is discoloured to Brown.		∕
Aromatic hydrocarbons	∕		∕
Halogenated hydrocarbons	∕		∕
Esters	∕		∕
Ketones	∕		∕

(NOTE)

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

Actual concentration = 1/2 × Reading value