

## 1. PERFORMANCE

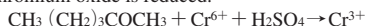
- 1) Measuring range : 5-80 ppm
- Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : —
- 4) Shelf life : 2 years
- 5) Operating temperature : 15 ~ 25 °C
- 6) Reading : The tube scale is calibrated based on Vinyl acetate at 1 pump stroke and Methyl butyl ketone concentration is determined by using a conversion chart at 2 pump strokes
- 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	Pale brown or pale blue stain is produced.	150	Lower readings are given.
Alcohols	Similar stain is produced.		Higher readings are given.
Ethers	∕		∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )	Whole layer is discoloured to pale brown.		∕
Aromatic hydrocarbons	∕		∕
Halogenated hydrocarbons	∕		∕
Esters	∕		∕

Methyl butyl ketone concentration (ppm)

