

## 1. PERFORMANCE

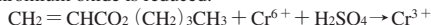
- 1) Measuring range : 2-60 ppm  
Number of pump strokes : 2 (200ml)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : 0.5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15 %    RSD-mid. : 10 %    RSD-high : 10 %

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Aliphatic hydrocarbons (more than C <sub>3</sub> )	Whole reagent is changed to Dark brown.	∕
Halogenated hydrocarbons	∕	∕
Esters	∕	∕
Aromatic hydrocarbons	∕	∕

(NOTE)

Butyl acrylate has the same sensitivity at 20 °C to Methyl acrylate.

### TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
60	105	80	60	45	32
40	68	54	40	30	22
20	32	26	20	15	11
10	15	13	10	8	5
5	8	7	5	4	3