

## 1. PERFORMANCE

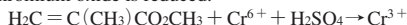
- 1) Measuring range : 10-160 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15 %    RSD-mid. : 10 %    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
Alcohols	Similar stain is produced.	Higher readings are given.
Ethers	∕	∕
Esters	Whole layer is discoloured to Pale brown.	∕
Ketones	∕	∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )	∕	∕
Aromatic hydrocarbons	∕	∕
Halogenated hydrocarbons	∕	∕

### 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)
160	190	175	160	150	140
140	165	155	140	130	125
120	140	130	120	110	105
100	120	110	100	95	90
80	95	90	80	75	70
60	70	65	60	55	50
40	47	44	40	37	35
20	24	22	20	19	17
10	12	11	10	9	9