



## 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

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

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

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0 °C (32° F)	10 °C (50° F)	20 °C (68° F)	30 °C (86° F)	40 °C (104° F)
60	88	70	60	54	48
40	54	46	40	36	32
20	28	24	20	18	16
10	14	12	10	9	8
5	7	6	5	4	3
2	2	2	2	2	2