

## 1. PERFORMANCE

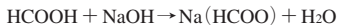
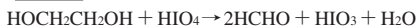
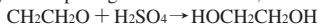
- 1) Measuring range : 1-15 ppm  
Number of pump strokes : 3 (300ml)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 0.5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 8) Colour change : Pale pink → Yellow

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

## 3. CHEMICAL REACTION

By decomposing with an Oxidizer, Formic acid is produced and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	Coexistence
Aldehydes	FIG.2	Similar stain is produced.	Higher readings are given.
Sulphur dioxide		Pale yellow stain is produced.	∕
Hydrogen sulphide	FIG.1	∕	∕

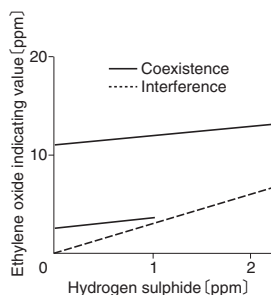


FIG.1 Influence of Hydrogen sulphide

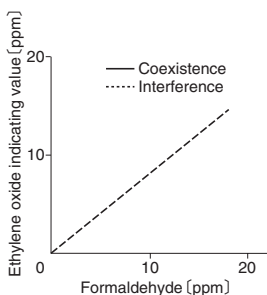


FIG.2 Influence of Formaldehyde

### TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)			
	10 °C (50 °F)	15-25 °C (59-77 °F)	30 °C (86 °F)	40 °C (77 °F)
15	19.0	15.0	13.0	10.0
10	12.5	10.0	8.5	7.0
5	6.0	5.0	4.0	3.5
1	1.0	1.0	1.0	0.5