

1. PERFORMANCE

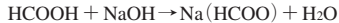
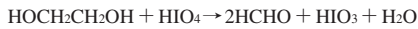
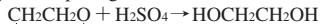
- 1) Measuring range : 1-15 ppm
Number of pump strokes : 3 (300ml)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 0.5 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : 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	∕	∕

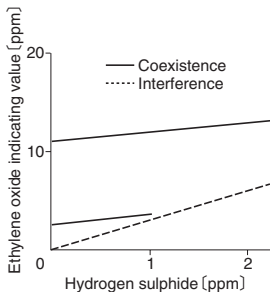


FIG.1 Influence of Hydrogen sulphide

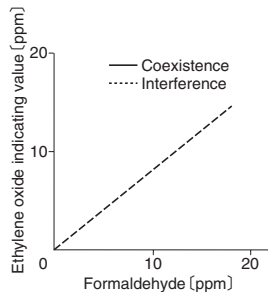


FIG.2 Influence of Formaldehyde

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