

## 1. PERFORMANCE

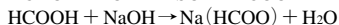
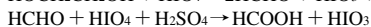
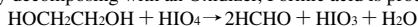
- 1) Measuring range : 3-40mg/m<sup>3</sup>  
Number of pump strokes : 3 (300mℓ)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 1mg/m<sup>3</sup>
- 4) Shelf life : 3 years
- 5) Operating temperature : 15 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION 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. : 10 % RSD-high : 10 %

## 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	Similar stain is produced.	Higher readings are given.
Sulphur dioxide	Brownish yellow stain is produced.	∕
Hydrogen sulphide	∕	∕

## TEMPERATURE CORRECTION TABLE

Scale Readings (mg/m <sup>3</sup> )	True Concentration (mg/m <sup>3</sup> )			
	15 °C (68 °F)	20 °C (71.6 °F)	30 °C (77 °F)	40 °C (86 °F)
40	67	40	32	25
30	50	30	24	19
20	34	20	16	12
10	17	10	8	6
5	8	5	4	3
3	5	3	2.5	2