

## 1. PERFORMANCE

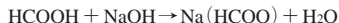
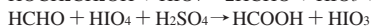
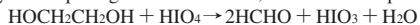
- 1) Measuring range : 20-250 mg/m<sup>3</sup>  
Number of pump strokes : 2 (200ml)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : 5 mg/m<sup>3</sup>
- 4) Shelf life : 1.5 years
- 5) Operating temperature : 20 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : 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	∕	∕
Ethylene oxide	∕	∕
Hydrogen sulphide	Orange/Yellow stain is produced.	∕

### TEMPERATURE CORRECTION TABLE

Tube Readings (mg/m <sup>3</sup> )	Corrected Concentration (mg/m <sup>3</sup> )				
	20 °C (68 °F)	22 °C (71.6 °F)	25 °C (77 °F)	30 °C (86 °F)	40 °C (104 °F)
250	—	370	250	200	155
200	—	260	200	165	130
150	270	170	150	125	105
100	120	110	100	85	75
50	60	55	50	45	40
20	23	20	20	18	15