

1. PERFORMANCE

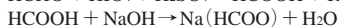
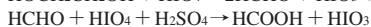
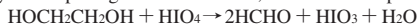
- 1) Measuring range : 3-40mg/m³
Number of pump strokes : 3 (300mℓ)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : 1mg/m³
- 4) Shelf life : 2 years
- 5) Operating temperature : 15 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : 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

| Tube Readings (mg/m ³) | Corrected Concentration (mg/m ³) | | | |
|------------------------------------|--|---------------|---------------|----------------|
| | 15 °C (59 °F) | 20 °C (68 °F) | 30 °C (86 °F) | 40 °C (104 °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 |