

1. PERFORMANCE

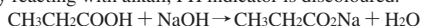
- 1) Measuring range : 3-50 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : —
- 4) Shelf life : 3 years
- 5) Operating temperature : 15 ~ 25 °C
- 6) Reading : Graduations printed on the tube are calibrated by Acetic acid at 1 pump stroke and Propionic acid concentration is determined by using a conversion chart at 1 pump stroke.
- 7) Colour change : Pale pink → Yellow

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.



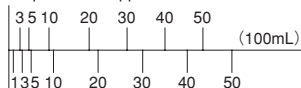
4. CALIBRATION OF THE TUBE

VAPOUR PRESSURE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Sulphur dioxide		Similar stain is produced.	HCO ₂ H conc. × 1/20	Higher readings are given.
Nitrogen dioxide	300	∕	10	The top of discoloured layer becomes unclear.
Hydrogen chloride		Pink stain is produced.	HCO ₂ H conc. × 2	Higher readings are given.
Chlorine		Blueish yellow stain is produced.	5	∕
Acetic acid		Similar stain is produced.		∕

Propionic Acid (ppm)



No.216S tube reading (ppm)