



## 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 : The printed scales are calibrated by Acetic acid at 1 pump stroke.  
Propionic acid concentration is determined by using a conversion chart at 1 pump stroke
- 7) Colour change : Pale pink → Yellow

## 2. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.

## 3. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 4. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Sulphur dioxide		Similar stain is produced.	$\text{HCO}_2\text{H conc.} \times 1/20$	Higher readings are given.
Nitrogen dioxide	300	"	10	The top of discoloured layer becomes unclear.
Hydrogen chloride		Pink stain is produced.	$\text{HCO}_2\text{H conc.} \times 2$	Higher readings are given.
Chlorine		Yellow stain is produced.	5	"
Acetic acid		Similar stain is produced.		"