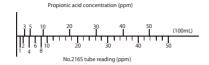
PROPIONIC ACID





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 : $15 \sim 25^{\circ}$ 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 \rightarrow 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.	HCO ₂H 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 ₂Hconc. × 2	Higher readings are given.
Chlorine		Yellow stain is produced.	5	//
Acetic acid		Similar stain is produced.		//