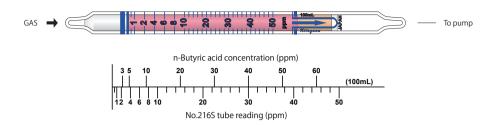
n-BUTYRIC ACID



1. PERFORMANCE

1) Measuring range : 3-60 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.

n-Butyric 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. | | // |