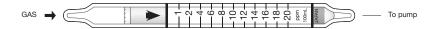
# 105SDG MORPHOLINE



#### 1. PERFORMANCE

1) Measuring range 2-22 ppmNumber of pump strokes  $1 (100 \text{m} \ell)$ 

2) Sampling time : 1 minute/1 pump stroke

3) Detectable limit : -

4) Shelf life : 3 years 5) Operating temperature :  $15 \sim 25 \,^{\circ}\text{C}$ 

6) Reading : Graduations printed on the tube are calibrated by Ammonia at 1 pump stroke

and Morpholine concentration is determined by using a conversion chart at 1

pump stroke.

7) Colour change : Pale purple → Pale Yellow

#### 2. RELATIVE STANDARD DEVIATION

RSD-low: 10% RSD-mid.: 5% RSD-high: 5%

## 3. CHEMICAL REACTION

By reacting with Phosphoric acid, PH indicator is discoloured.  $C_4H_9NO + H_3PO_4 \rightarrow (R_3NH)_3PO_4$ 

## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference               | Coexistence                |
|-----------|----------------------------|----------------------------|
| Amines    | Similar stain is produced. | Higher readings are given. |

