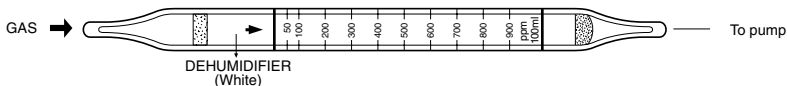


Tube No.  
**105SB**

# AMMONIA



## 1. PERFORMANCE

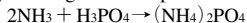
- 1) Measuring range : 50-900 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 5 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : Pale purple → Pale Yellow

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Phosphoric acid, PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

| Substance       | Interference               | ppm                                  | Coexistence                |
|-----------------|----------------------------|--------------------------------------|----------------------------|
| Amines          | Similar stain is produced. |                                      | Higher readings are given. |
| Chlorine        |                            | 2                                    | Lower readings are given.  |
| Sulphur dioxide |                            | $\text{NH}_3\text{conc.} \times 1/4$ | ∕                          |