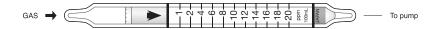
105SDG o-TOLUIDINE



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 : $15 \sim 25 \,^{\circ}$ C

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

and o-Toluidine 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_6H_4 (CH₃) (NH₂) + H₃PO₄ \rightarrow (R₁NH₃)₃PO₄

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.

