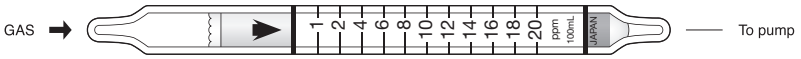
Tube No.
105SDⓒ *p*-TOLUIDINE



1. PERFORMANCE

1) Measuring range : 2-20 ppm
   Number of pump strokes 1 (100mℓ)
2) Sampling time : 1 minute/1 pump stroke
3) Detectable limit : —
4) Shelf life : 3 years
5) Operating temperature : 15 ~ 25 ℃
6) Reading : Graduations printed on the tube are calibrated by Ammonia at 1 pump stroke and *p*-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.

$C_6H_4(CH_3)(NH_2) + H_3PO_4 \rightarrow (R_1NH_3)_3PO_4$

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.