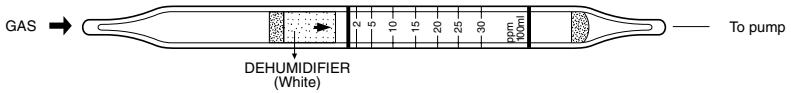
Tube No.
181S

ANILINE



1. PERFORMANCE

1) Measuring range : 2-30 ppm 1-15 ppm
Number of pump strokes 1(100mℓ) 2(200mℓ)
2) Sampling time : 0.5 minutes/1 pump stroke
3) Detectable limit : 0.05 ppm(200mℓ)
4) Shelf life : 2 years
5) Operating temperature : 0～40℃
6) Reading : Direct reading from the scale calibrated by 1 pump stroke
7) Colour change : White→Yellow

2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

By reacting with *p*-Dimethylamino-benzaldehyde, Azomethine is produced.

4. CALIBRATION OF THE TUBE

COLOURIMETRY METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Toluidine	Similar stain is produced.	Aniline conc.×1/3	Higher readings are given.
Ammonia FIG.1	The accuracy of readings is not affected.	The same conc. of Aniline	〃
Paraffin amines	〃		〃
Aromatic amines	〃		〃

(NOTE)

In case of 2 strokes, following formula is available for the actual concentration.
Actual concentration = 1/2 × Reading value.

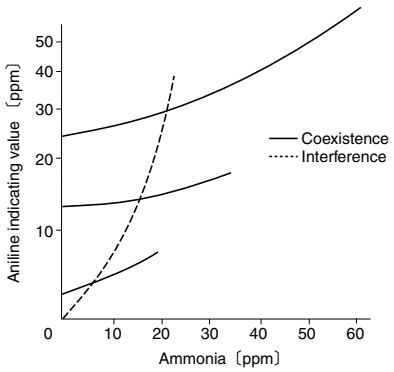


FIG.1 Influence of Ammonia