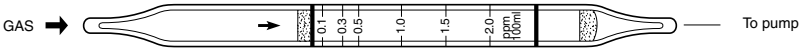
Tube No.
109U

CHLORINE



1. PERFORMANCE

1) Measuring range	: 0.1-2 ppm	0.05-1 ppm
Number of pump strokes	1 (100mℓ)	2 (200mℓ)
2) Sampling time	: 1 minute/1 pump stroke	
3) Detectable limit	: 0.01 ppm (200mℓ)	
4) Shelf life	: 2 years	
5) Operating temperature	: 0 ~ 40 ℃	
6) Reading	: Direct readingfrom the scale calibrated by 1 pump stroke	
7) Colour change	: White → Pale purple	

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with 3, 3'-Dimethylnaphthidine, Nitroso-compound is produced.

CI_2 + 3, 3'-Dimethylnaphthidine → Nitroso-compound

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	ppm	Coexistence
Hydrogen chloride	FIG.1	The accuracy of readings is not affected.	Chlorine conc. × 20	Higher readings are given.
Nitrogen dioxide	FIG.2	Similar stain is produced.		〃

(NOTE)

In case of 2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 1/2 × Reading value

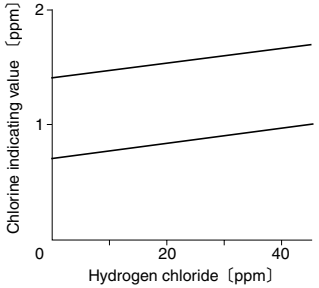


FIG.1 Influence of Hydrogen chloride

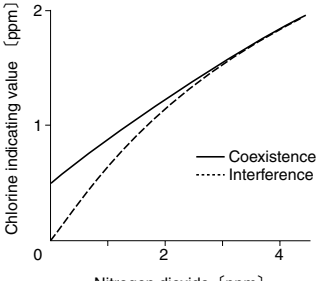


FIG.2 Influence of Nitrogen dioxide