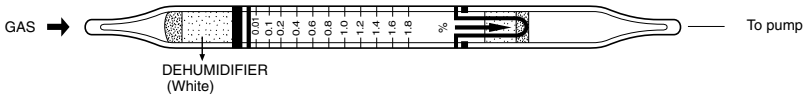
Tube No.
122SAⓒ FURAN



1. PERFORMANCE

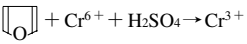
1) Measuring range	: 0.2-2.0 %	0.01-0.9 %
Number of pump strokes	1/2 (50mℓ)	1 (100mℓ)
2) Sampling time	: 1.5 minutes/1 pump stroke	
3) Detectable limit	: 10 ppm	
4) Shelf life	: 3 years	
5) Operating temperature	: 0 ~ 40 ℃	
6) Reading	: Graduations printed on the tube are calibrated by Ethylene oxide at 1 pump stroke and Furan concentration is determined by using a conversion chart.	
7) Colour change	: Orange → Black	

2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid. : 10 % RSD-high : 5 %

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

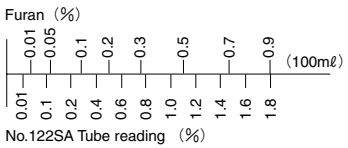
GAS CHROMATOGRAPHY

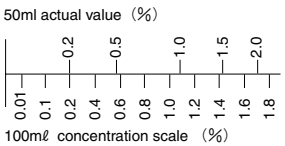
5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Aromatic hydrocarbons FIG.1	Similar stain is produced.		Higher readings are given.
Esters FIG.2	〃		〃
Ketones	〃		
Alcohols FIG.3	〃		〃
Halogenated hydrocarbons	Whole reagent is changed to Pale brown.	0.5%	〃

(NOTE)

In case of 1/2 pump stroke, following conversion scale is available for the actual concentration.





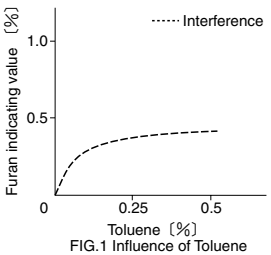


FIG.1 Influence of Toluene

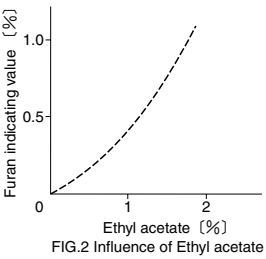


FIG.2 Influence of Ethyl acetate

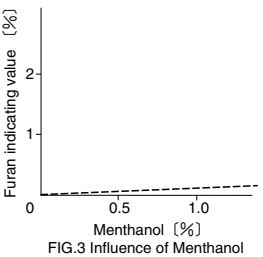


FIG.3 Influence of Menthanol