



## 1. PERFORMANCE

- 1) Measuring range : 5-60 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 0.5 ppm (100mℓ)
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Red

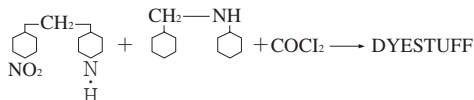
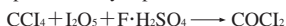
## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Carbon tetrachloride is decomposed and Phosgene is produced. By reacting with this Phosgene,

4-(p-Nitrobenzyl)-phridine and Benzylaniline, dyestuff is produced.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Phosgene	Similar stain is produced.	2	Higher reading are given.
Chlorine		12	∕
Trichloroethylene		2	∕

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
60	108	75	60	50	44
50	90	62.5	50	41	36.5
40	72	50	40	33	29
30	54	37.5	30	25	22
20	36	25	20	16.5	14.5
10	18	12.5	10	8	7
5	9	6	5	4	3.5