

1. PERFORMANCE

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|--------------------------|--|-----------|-------------|
| 1) Measuring range | : 2.3-36.8 ppm | 1-16 ppm | 0.2-3.2 ppm |
| Number of pump strokes | : 1/2 (50mℓ) | 1 (100mℓ) | 4 (400mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke | | |
| 3) Detectable limit | : 0.1 ppm (400mℓ) | | |
| 4) Shelf life | : 1 year (Necessary to store in refrigerated conditions ; 0 ~ 10 °C) | | |
| 5) Operating temperature | : 0 ~ 40 °C | | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | | |
| 7) Colour change | : Pale orange → Blueish purple | | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with an Oxidizer, Hydrogen chloride is produced and PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance		Interference	ppm	Coexistence
Tetrachloroethylene	FIG.1	Similar stain is produced.	2	Higher readings are given.
1,2-Dichloroethylene	FIG.2	∕	2	∕
Hydrogen chloride		∕	2	∕
Vinyl chloride		∕	20	∕

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2.3 × Reading value

In case of 4 pump strokes, following formula is available for the actual concentration.

Actual concentration = 1/5 × Reading value

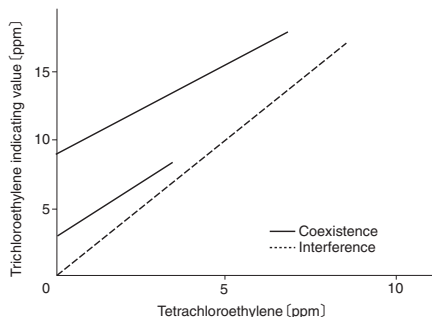


FIG.1 Influence of Tetrachloroethylene

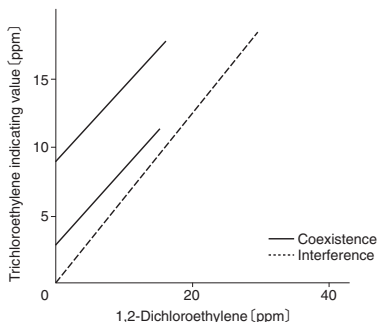


FIG.2 Influence of 1,2-Dichloroethylene