

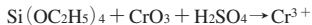
1. PERFORMANCE

- 1) Measuring range : 12.5-200 ppm 5-80 ppm
- Number of pump strokes 1 (100ml) 2 (200ml)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : 1 ppm (200ml)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Yellow → Pale blue

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Phosphine	Similar stain is produced.	5	Higher readings are given.
Isopropyl alcohol	∕	7	∕
Ethyl alcohol	∕	10	∕
Silane			
Trichloroethylene	The accuracy of readings is not affected.		
Tetrachloroethylene			

(NOTE)

In case of 1 pump stroke, following formula is available for the actual concentration.

Actual concentration = 2.5 × Temperature corrected value

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)					
	0 °C (32 °F)	5 °C (41 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
80	110	100	90	80	72	64
60	80	75	70	60	54	45
40	56	52	47	40	33	28
20	27	25	23	20	16	14
10	13	12	11	10	8	7
5	6	5	5	5	5	4