

GAS →



— To pump

1. PERFORMANCE

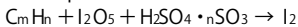
- 1) Measuring range : 0.5-12.5 ppm 1.0-30 ppm
- Number of pump strokes : 4 (400mL) 2 (200mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 0.3 ppm(400mL)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0~40°C (32-104°F)
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : White → Pale brown with pale green top

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Iodine pentoxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Propane	Similar stain is produced.	500	Higher readings are given.
isobutane	//	20	//
n-Hexane	//	10	//
Octane	//	2	//
Gasoline	//	3	//
Carbon monoxide	//	5	//
Nitrogen dioxide	The accuracy of readings is not affected.	30	Lower readings are given.
Methane	//		The accuracy of readings is not affected.
Acetone	//		//
Alcohols	//		//
Isopropyl alcohol	//		//
Toluene	//		//
Xylene	//		//
Stylene	//		//
Hydrogen chloride	//		//
Sulphur dioxide	//		//
Hydrogen sulphide	//		//
Carbon dioxide	//		//
Benzene	//		//
Ammonia	//		//

TEMPERATURE CORRECTION TABLE
(4 pump strokes)

Tube Readings (ppm)	Corrected Concentration (ppm)			
	0°C (32°F)	10°C (50°F)	20°C~30°C (68°F~86°F)	40°C (104°F)
30	11.0	12.0	12.5	14.0
25	9.5	10.0	10.5	11.5
20	7.5	8.0	8.5	9.5
15	5.5	6.2	6.5	7.5
10	4.0	4.3	4.5	5.0
5	2.0	2.2	2.3	2.5
3	1.2	1.3	1.3	1.3
1	0.5	0.5	0.5	0.5

(2 pump strokes)

Tube Readings (ppm)	Corrected Concentration (ppm)			
	0°C (32°F)	10°C (50°F)	20°C~30°C (68°F~86°F)	40°C (104°F)
30	24.0	27.0	30.0	31.5
25	20.0	22.5	25.0	26.5
20	16.0	18.0	20.0	21.0
15	12.0	13.5	15.0	16.0
10	8.0	9.0	10.0	10.5
5	4.0	4.5	5.0	5.5
3	2.5	2.7	3.0	3.0
1	1.0	1.0	1.0	1.0