

1. PERFORMANCE

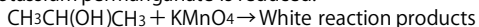
- 1) Measuring range : 20-300ppm
- Number of pump strokes : 1 (100mL)
- 2) Sampling time : 3 minutes / 1 pump stroke
- 3) Detectable limit : 4 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 10~40°C
- 6) Temperature compensation : Necessary ("See COEFFICIENT TABLE FOR TEMPERATURE CORRECTION")
- 7) Reading : The tube scales are calibrated based on Ethanol at 1 pump stroke and the tube has the same sensitivity for Isopropyl alcohol
- 8) Colour change : Pink → White or pale pink

2. RELATIVE STANDARD DEVIATION

RSD-low : — RSD-mid. : — RSD-high : —

3. CHEMICAL REACTION

Potassium permanganate is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
1,3-Butadiene	//	//
Dimethyl sulphide	//	//
Hydrogen sulphide	//	//
Isobutylene	//	//
Acetone	Whole reagent is changed to White.	//
n-Hexane	//	//
Ammonia	The accuracy of readings is not affected.	Higher readings with indiscernable stain are given.

COEFFICIENT TABLE FOR TEMPERATURE CORRECTION

Temperature (°C)	0	1	2	3	4	5	6	7	8	9
10	1.20	1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.04	1.02
20	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
40	1.00	-	-	-	-	-	-	-	-	-

Actual concentration = Reading value × Coefficient for temperature correction