



## 1. PERFORMANCE

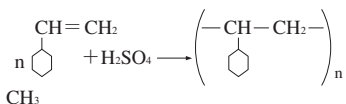
- 1) Measuring range : 10-500 ppm
- Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Yellow

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

A polymer of Styrene is produced by Sulphuric acid.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	The accuracy of readings is not affected.	The accuracy of readings is not affected.
Esters	∕	∕
Aromatic hydrocarbons (except Styrene)	∕	∕
Halogenated hydrocarbons	∕	∕
Aliphatic hydrocarbons (more than C <sub>3</sub> )	∕	∕
Styrene	Similar stain is produced.	Higher readings are given.

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)
500	300	380	500	680	850
400	270	320	400	560	730
300	210	250	300	390	500
200	140	160	200	250	300
100	70	80	100	130	150
50	30	40	50	70	80
30	17	24	30	40	54
10	4	6	10	12	18