

## 1. PERFORMANCE

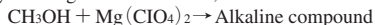
- 1) Measuring range : 100-1,000 ppmv  
Number of pump strokes : 1/2 (50mℓ)
- 2) Sampling time : 30 seconds/ 1/2 pump strokes
- 3) Detectable limit : 20 ppmv
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1/2 pump stroke
- 8) Colour change : Yellow → Blue or Yellowish green

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Perchlorate, PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppmv	Interference
Hydrogen sulphide	0.4	The accuracy of readings is not affected.
Sulphur dioxide	0.5	∕
Toluene	10	∕

### TEMPERATURE CORRECTION TABLE

Temperature ; Multiply the reading by the correction factors to correct for temperature.

Temperature (°C)	0	1	2	3	4	5	6	7	8	9
Correction Factor	1.40	1.38	1.36	1.34	1.32	1.30	1.28	1.26	1.24	1.22
Temperature (°C)	10	11	12	13	14	15	16	17	18	19
Correction Factor	1.20	1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.04	1.02
Temperature (°C)	20	21	22	23	24	25	26	27	28	29
Correction Factor	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
Temperature (°C)	30	31	32	33	34	35	36	37	38	39
Correction Factor	0.80	0.80	0.79	0.79	0.78	0.78	0.77	0.77	0.76	0.76
Temperature (°C)	40									
Correction Factor	0.75									