

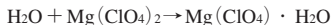
## 1. PERFORMANCE

- 1) Measuring range : 3-80 LB/MMCF  
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1 minute / 1 pump stroke
- 3) Detectable limit : 2 LB/MMCF
- 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 : Yellow → Blue, Yellowish green (below 40 LB/MMCF)

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION



## 4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Benzene	The accuracy of readings is not affected.	The accuracy of readings is not affected.
Toluene	∕	∕
Hexane	∕	∕
Sulphur dioxide	∕	∕
Hydrogen sulphide	∕	∕

### CORRECTION FOR AMBIENT CONDITIONS:

Temperature; To correct for temperature, multiply the tube reading by the following factors.

Temperature(°F)	32	33	34	35	36	37	38	39	40	41
Correction Factor	1.85	1.83	1.81	1.78	1.76	1.73	1.73	1.69	1.66	1.63
Temperature(°F)	42	43	44	45	46	47	48	49	50	51
Correction Factor	1.61	1.59	1.56	1.53	1.50	1.48	1.45	1.43	1.40	1.38
Temperature(°F)	52	53	54	55	56	57	58	59	60	61
Correction Factor	1.36	1.33	1.30	1.28	1.26	1.24	1.21	1.19	1.16	1.14
Temperature(°F)	62	63	64	65	66	67	68	69	70	71
Correction Factor	1.12	1.10	1.08	1.06	1.04	1.02	1.00	0.98	0.96	0.94
Temperature(°F)	72	73	74	75	76	77	78	79	80	81
Correction Factor	0.92	0.91	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.77
Temperature(°F)	82	83	84	85	86	87	88	89	90	91
Correction Factor	0.76	0.75	0.73	0.72	0.71	0.69	0.68	0.67	0.66	0.64
Temperature(°F)	92	93	94	95	96	97	98	99	100	101
Correction Factor	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54
Temperature(°F)	102	103	104							
Correction Factor	0.53	0.52	0.51							