

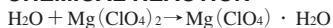
1. PERFORMANCE

- 1) Measuring range : 2-12 LB/MMCF
- Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 2 minutes/2 pump strokes
- 3) Detectable limit : 1 LB/MMCF
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 35 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Yellow → Yellowish green

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 | ∕ | ∕ |

TEMPERATURE CORRECTION TABLE

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

| | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Temperature (°C) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Correction Factor | 1.69 | 1.65 | 1.61 | 1.57 | 1.53 | 1.50 | 1.46 | 1.42 | 1.39 | 1.35 |
| Temperature (°C) | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Correction Factor | 1.32 | 1.28 | 1.25 | 1.22 | 1.19 | 1.15 | 1.12 | 1.09 | 1.06 | 1.03 |
| Temperature (°C) | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Correction Factor | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.78 |
| Temperature (°C) | 30 | 31 | 32 | 33 | 34 | 35 | | | | |
| Correction Factor | 0.75 | 0.73 | 0.71 | 0.69 | 0.67 | 0.65 | | | | |