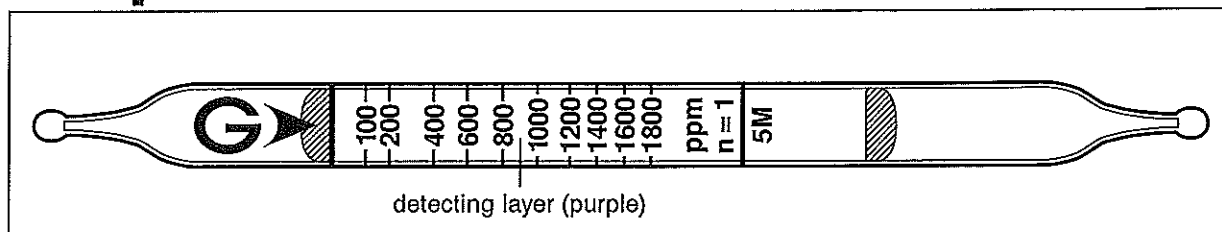


Sulphur Dioxide SO₂

No.5M



Performance

| | | | |
|------------------------|---------------|-----------------|------------------|
| Measuring range | 20 to 100 ppm | 100 to 1800 ppm | 1800 to 3600 ppm |
| Number of pump strokes | 4 (400 ml) | 1 (100 ml) | 1/2 (50 ml) |
| Correction factor | 1/5 | 1 | 2 |
| Sampling time | 3 min | 45 sec | 30 sec |

Detecting limit : 4 ppm (4 pump strokes)

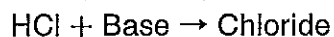
Colour change : Purple → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 100 to 600 ppm), 5 % (for 600 to 1800 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

| Substance | Concentration | Interference | Changes colour by itself to |
|-------------------|-----------------|--------------|-----------------------------|
| Nitrogen dioxide | $\geq 1/10$ | + | White (≥ 600 ppm) |
| Hydrogen sulphide | ≥ 10 times | - | |
| Carbon dioxide | | No | } No |
| Carbon monoxide | | No | |
| Nitric oxide | | No | |

Calibration gas generation

High pressure gas cylinder method

TLV-STEL : 0.25 ppm