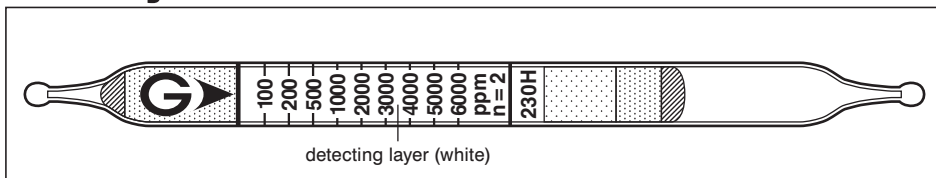


Methyl Iodide CH₃I

No.230H

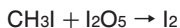


Performance

| | | | |
|------------------------|-----------------|-------------------|--------------------|
| Measuring range | 100 to 6000 ppm | 6000 to 15000 ppm | 15000 to 34800 ppm |
| Number of pump strokes | 2 (200 ml) | 1 (100 ml) | 1/2 (50 ml) |
| Correction factor | 1 | 2.5 | 5.8 |
| Sampling time | 3 min | 1.5 min | 45 sec |

Detecting limit : 5 ppm (2 pump strokes)
Colour change : White → Dark brown
Corrections for temperature & humidity : Temperature correction is necessary
Relative standard deviation : 5 % (for 100 to 6000 ppm)
Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|-----------------|---------------|--------------|--|
| Carbon monoxide | ≥ 20 ppm | + | Pale brown (pale green at the end of staining) |
| Carbon dioxide | | No | No |
| Ethylene | | + | Pale yellow |
| Hexane | | + | Pale orange |

Calibration gas generation

Diffusion tube method