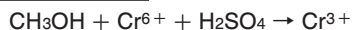


Performance

| | | |
|------------------------|--------------|----------------|
| Measuring range | 20 to 40 ppm | 40 to 1000 ppm |
| Number of pump strokes | 2 (200 ml) | 1 (100 ml) |
| Correction factor | 1/2 | 1 |
| Sampling time | 4 min | 2 min |

Detecting limit : 15 ppm (2 pump strokes)
 Colour change : Pink → Pale blue
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 40 to 200 ppm), 5 % (for 200 to 1000 ppm)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|---------------|---------------|--------------|-----------------------------|
| Alcohols | | + | Pale blue |
| Acetone | ≧ 1000 ppm | + | No (≧ 1000 ppm) |
| Ethyl acetate | ≧ 500 ppm | No | No (≧ 500 ppm) |
| Toluene | ≧ 300 ppm | No | No (≧ 300 ppm) |
| Benzene | ≧ 70 ppm | No | No |

Other substance measurable with this detector tube

| Substance | Correction | No. of pump strokes | Measuring range |
|-----------------------|------------|---------------------|-----------------|
| Ethylene chlorohydrin | by scale | 3 | 80 to 200 ppm |

Calibration gas generation

Diffusion tube method