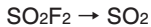


## Performance

Measuring range	1 to 20 ppm
Number of pump strokes	3 (300ml)
Correction factor	1
Sampling time	6 min
Detecting limit :	0.4 ppm (3 pump stroke)
Colour change :	Bluish purple → White
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	10 % (for 1 to 20 ppm)
Shelf life :	2 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Sulphur dioxide	$\geq 0.04$ ppm	+	White ( $\geq 0.05$ ppm)
Carbon dioxide	$\leq 5$ %	No	No
Chloropicrin (CP)	$\leq 50$ ppm	No	No ( $\leq 50$ ppm)
Methyl isothiocyanate (MITC)	$\leq 50$ ppm	No	No ( $\leq 50$ ppm)
Low oxygen environment		+	No

## Calibration gas generation

High pressure gas cylinder method