



Performance The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.15 to 0.5 ppm	(0.5) to 10 ppm
Number of pump strokes	5 (500 ml)	3 (300 ml)
Correction factor	0.3	1
Sampling time	7.5 min	4.5 min

Detecting limit : 0.15 ppm (5 pump strokes)
 Colour change : Bluish purple → White
 Corrections for temperature & humidity : Temperature correction is necessary
 Shelf life : 2 years

Reaction principle

Pyrotec : $(\text{CH}_3)_2\text{S} \xrightarrow{\text{Pyrolyzing}} \text{SO}_2$
 Pyrotube : $\text{SO}_2 + \text{I}_2 + 2\text{H}_2\text{O} \rightarrow 2\text{HI} + \text{H}_2\text{SO}_4$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide	≥ 70 ppm	+	} White
Methyl mercaptan	≥ 40 ppm	+	
Sulphur dioxide		+	

Substance measurable with this Pyrotube

Substance	n	Correction factor	Measuring range
Dimethyl disulphide	3	0.6	0.3 to 6 ppm

Calibration gas generation

Permeation tube method