



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
 Operating conditions : Temperature 0 to 35 °C (32 to 95 °F) correction used
 Relative humidity 0 to 90 % correction not used
 Tube quantity and number of tests per box : 10 tubes for 5 tests
 Shelf life : 24 months

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