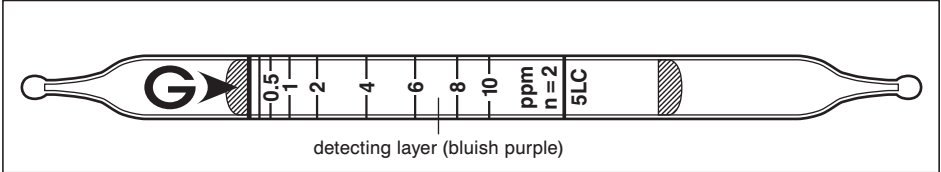


Sulphur Dioxide SO₂

No.5LC

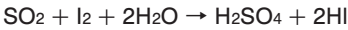


Performance The minimum scale value (0.25ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	0.1 to 0.25 ppm	(0.25) to 10 ppm	10 to 25 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Correction factor	0.4	1	2.5
Sampling time	8 min	4 min	2 min

Detecting limit : 0.02 ppm (4 pump strokes)
Colour change : Bluish purple → White
Corrections for temperature & humidity : Temperature correction is necessary.
Relative standard deviation : 10 % (for 0.25 to 2 ppm) , 5 % (for 2 to 10 ppm)
Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide	$\geq 1/10$	+ (Unclear demarcation)	White
Nitrogen dioxide		– (Unclear demarcation)	Brown (approx. 1 mm long from the inlet)

Calibration gas generation

Permeation tube method

Special note

This detector tube is suitable for measuring sulphur dioxide coexisting with nitrogen, carbon dioxide or sulphur hexafluoride.