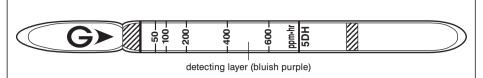
Sulphur Dioxide so2

No.5DH



Performance

Measuring range	10 to 600 ppm	
Sampling time	1 to 5 hours	

Colour change : Bluish Purple → White

Corrections for temperature & humidity: Temperature correction is necessary.

Relative standard deviation : 10 % (for 50 to 600 ppm·hr)

Shelf life: 3 years

Reaction principle

 $SO_2 + I_2$ (Bluish purple) + $H_2O \rightarrow 2HI$ (white) + H_2SO_4

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitrogen dioxide		_	No
Hydrogen sulphide		+	White

Calibration gas generation

Permeation tube method