



Performance

Measuring range	0.5 to 1 mg/l	1 to 14 mg/l	14 to 28 mg/l
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.1 mg/l (2 pump strokes)
 Colour change : Orange → Dark green
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 1 to 4 mg/l), 5 % (for 4 to 14 mg/l)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≥ 3 %	+	} Dark brown (whole layer)
Propane	≥ 0.2 %	+	
Hydrogen sulphide	≥ 500 ppm	+	Dark brown
Organic solvents		+	Dark green
Sulphur dioxide	≥ 500 ppm	+	Green

Water vapour is trapped in the pretreatment (white) layer.

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Petroleum benzene	Factor : 2	1/2	14 to 28 mg/l
	Factor : 1	1	1 to 14 mg/l
Petroleum ether	Factor : 0.5	2	0.5 to 1 mg/l
	Factor : 2	1/2	14 to 28 mg/l
	Factor : 1	1	1 to 14 mg/l
	Factor : 0.5	2	0.5 to 1 mg/l

Calibration gas generation

Static gas dilution method