



## Performance

Measuring range	4 to 50 ppm	50 to 1200 ppm
Number of pump strokes	5 (500 ml)	1 (100 ml)
Correction factor	1/12	1
Sampling time	7.5 min	1.5 min

Detecting limit : 1 ppm (5 pump strokes)  
 Colour change : Orange → Dark green  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 50 to 400 ppm), 5 % (for 400 to 1200 ppm)  
 Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene		+	Dark brown
Aromatic hydrocarbons		+	Dark green
Alcohols, Esters, Ketones		+	
Organic solvents ( $\geq \text{C}_3$ )		+	
Hydrogen sulphide		+	Dark brown
Sulphur dioxide		+	Dark green

Water vapour is trapped in the pretreatment (pale brown) layer.

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Acrylonitrile	Factor : 12	1	0.06 to 1.44 %
tert-Butyl alcohol	Factor : 10	2	0.05 to 1.2 %
Chlorocyclohexane	Factor : 1	2	50 to 1200 ppm
Cyclohexane	Factor : 1.2	1	60 to 1440 ppm
Diisobutyl ketone	by scale	2	0.2 to 1.0 %

## Calibration gas generation

High pressure gas cylinder method