



## Performance

Measuring range	0.2 to 50 ppm	50 to 100 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)
Correction factor	1	2
Sampling time	8 min	4 min

Detecting limit : 0.05 ppm (4 pump strokes)  
 Colour change : Pale yellow → Blue  
 Corrections for temperature & humidity : Temperature correction is necessary.  
 Relative standard deviation : 10 % (for 0.2 to 10 ppm), 5 % (for 10 to 50 ppm)  
 Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Butane, Carbon monoxide	$\geq 1/4$	+	} Blue (whole layer)
Hydrogen, Pentane		+	
Butylene, Propylene		+	Blue
Ammonia, Butadiene		+	} White
Hydrogen cyanide		+	
Hydrogen chloride		+	Pink
Hydrogen sulphide	+	Black	

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

## Calibration gas generation

High pressure gas cylinder method