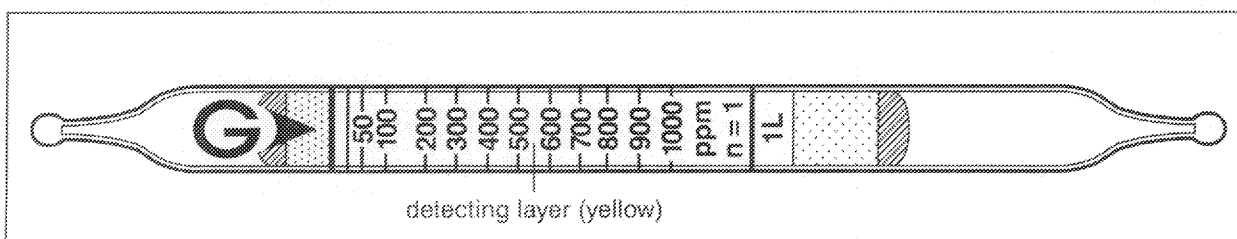


Carbon Monoxide CO

No. 1L



Performance

Measuring range	2.5 to 25 ppm	(25) to 1000 ppm	1000 to 2000 ppm
Number of pump strokes	2 to 10 (200 to 1000ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2 to 1/10	1	2
Sampling time	2 to 10 min	1 min	30 sec

Detecting limit : 1 ppm (10 pump strokes)

Colour change : Yellow → Blackish brown

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 25 to 300 ppm), 5 % (for 300 to 1000 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen	≧ 5000 ppm	+	Dark brown (whole layer) (≧ 1 %)
Acetylene	≧ 1/50	+	
Carbon disulphide	≧ 1/50	+	
Halogens	≧ 1/5	+	
Hydrogen sulphide	≧ 1/5	+	
Mercaptans	≧ 1/5	+	
Sulphur dioxide	≧ 1/10	+	
Ethylene	≧ 2000 ppm	No	
Nitrogen dioxide	≧ 40 ppm	+ (Bleaching)	Few minutes later, whole layer turns to brown. Red (≧ 60 ppm)

Calibration gas generation

High pressure gas cylinder method