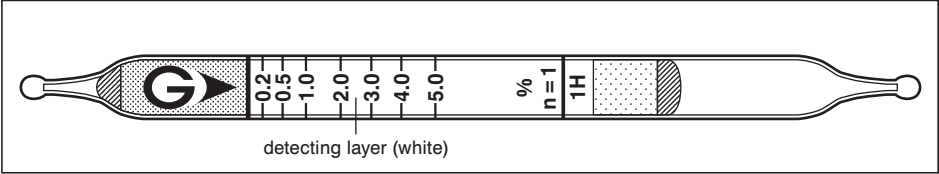


Carbon Monoxide CO

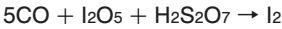
No.1H



Performance

Measuring range	0.1 to 0.2 %	0.2 to 5 %	5 to 10 %
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 :	0.02 % (2 pump strokes)		
Colour change :	White → Blackish brown		
Corrections for temperature & humidity :	Unnecessary		
Relative standard deviation :	10 % (for 0.2 to 1 %), 5 % (for 1 to 5 %)		
Shelf life :	3 years		

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	$\geq 0.3 \%$	+	Blackish brown
Olefins (Ethylene, Propylene)	$\geq 2/3$	+	} Brown
Butane	$\geq 1\%$	+	
Hexane	$\geq 0.3 \%$	+	} Pale brown (whole layer)
Propane	$\geq 20\%$	+	

Calibration gas generation

High pressure gas cylinder method