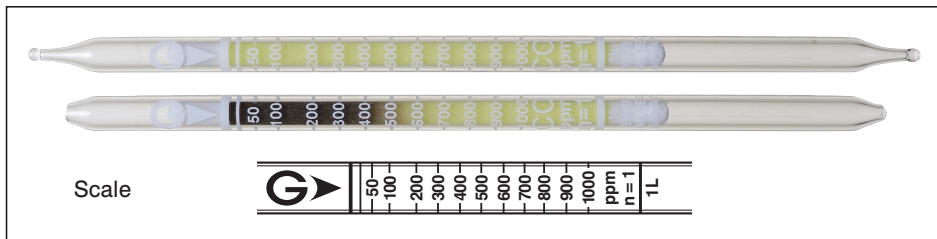


Carbon Monoxide CO

No.1L



Performance The minimum scale value (25ppm) is not printed on the tube, but only the scale line is printed.

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
 Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used
 Relative humidity 0 to 90 % correction not used
 Relative standard deviation : 10 % (for 25 to 300 ppm) , 5 % (for 300 to 1000 ppm)
 Tube quantity and number of tests per box : 10 tubes for 10 tests
 Shelf life : 36 months

Reaction principle



Possible coexisting substances and their interferences

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

Calibration gas generation

High pressure gas cylinder method