

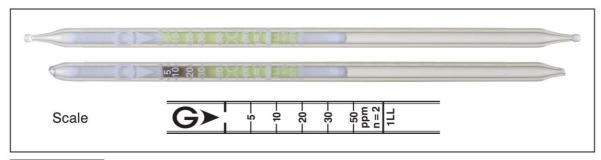


## Carbon Monoxide CO

Part No.: 1LL

# Carbon Monoxide co

# No.1LL



#### Performance

Measuring range	5 to 50 ppm
Number of pump strokes	2 (200 mL)
Correction factor	1
Sampling time	6 min

Detecting limit : 1 ppm (2 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: 15 % (for 5 to 10 ppm), 10 % (for 10 to 50 ppm)

Tube quantity and number of tests per box: 10 tubes for 10 tests

Shelf life: 36 months

#### Reaction principle

 $CO + Na_2Pd(SO_3)_2 \rightarrow Pd + CO_2 + SO_2 + Na_2SO_3$ 

#### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≥ 1/50	+	)
Hydrogen sulphide	≥ 1/5	+	Blackish brown
Sulphur dioxide	≧ 1/10	+	
Nitrogen dioxide	≥ 40 ppm	+ (Bleaching)	Red

#### Calibration gas generation

High pressure gas cylinder method

### Special note

The demarcation of colour change layer might not be clear. If this is the case, read the tube at the demarcation (NOT at the middle point between the dark layer end and the pale layer end).