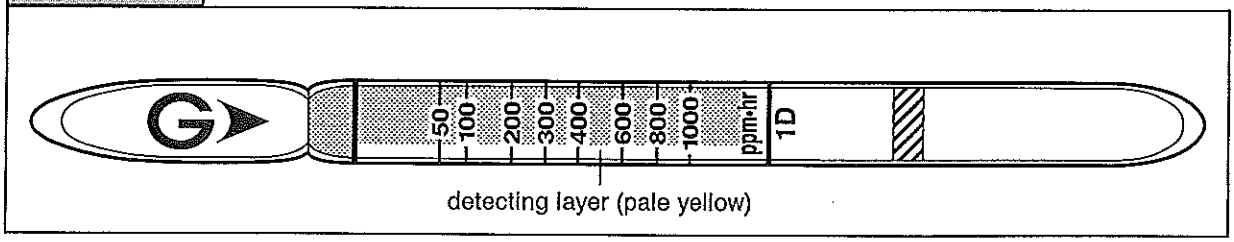
Dosi-tube

Carbon Monoxide CO No.1D



Performance

Measuring range :	1.04 to 2000 ppm
Sampling time :	0.5 to 48 hours
Colour change :	Pale yellow → Brown
Corrections for temperature & humidity :	Unnecessary
Relative standard deviation :	10 % (for 50 to 1000 ppm·hr)
Shelf life :	2 years

Reaction principle

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

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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen suphfide	≧ 5 ppm	+	Reddish brown
Nitrogen dioxide		−	No
Chlorine		No	No

Calibration gas generation

High pressure gas cylinder method

TLV-TWA : 25 ppm

Explosive range : 12.5 to 74 %