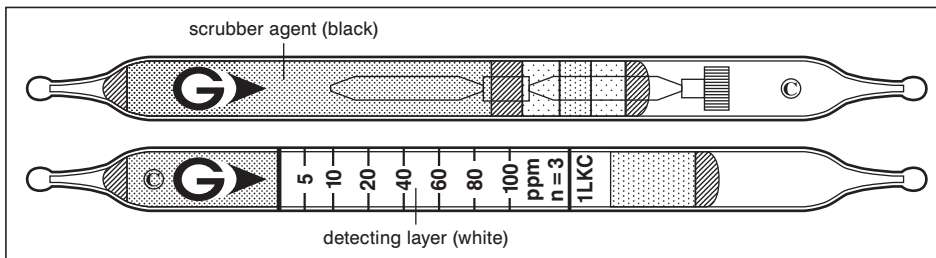


# Carbon Monoxide CO

No.1LKC



## Performance

When used, these tubes are to be connected.

Measuring range	5 to 100 ppm
Number of pump strokes	3 (300 ml)
Correction factor	1
Sampling time	6 min

Detecting limit : 2 ppm (3 pump strokes)  
 Colour change : White → Pale brown/Pale green(may produce dual layers)  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 5 % (for 5 to 100 ppm)  
 Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen	< 10 %	- 15 %	No
Paraffinic hydrocarbons C <sub>6</sub> or less (RH0 %)	≅ 15 %	No	Pale brown (> 15 %)
Ethylene (RH0 %)	≅ 2 %	No	Pale brown (≅ 3%)
Propylene (RH0 %)	≅ 15 %	No	Pale brown (> 15 %)
Acetylene (RH0 %)	≅ 200 ppm	No	Pale brown (≅ 250 ppm)
Carbon dioxide		No	} No
Nitrogen oxides		No	
Hydrogen sulphide		No	

When humidity is high, Paraffinic hydrocarbons (C<sub>6</sub> or less), Ethylene, Propylene, or Acetylene may cause interference even if the concentration is lower than the above values.

## Calibration gas generation

High pressure gas cylinder method

## Special note

This detector tube is suitable for measuring concentrations of carbon monoxide in hydrogen gas.