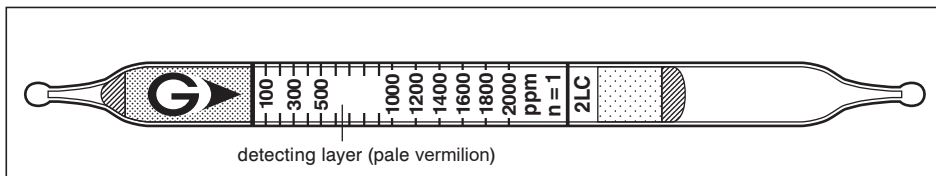


Carbon Dioxide CO₂

No.2LC



Performance

Measuring range	100 to 2000 ppm	2000 to 4000 ppm
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1	2
Sampling time	2 min	1 min

Detecting limit : 20 ppm (1 pump stroke)
Colour change : Pale vermillion → Orange
Corrections for temperature & humidity : Unnecessary
Relative standard deviation : 10 % (for 100 to 600 ppm), 5 % (for 600 to 2000 ppm)
Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia	≤ 1000 ppm	No	No (≤ 1000 ppm)
Hydrogen chloride	≤ 500 ppm	No	No (≤ 500 ppm)
Chlorine	≤ 20 ppm	No	No (≤ 10 ppm)
Hydrogen cyanide	≤ 100 ppm	No	No (≤ 50 ppm)
Hydrogen sulphide	≤ 100 ppm	No	No (≤ 50 ppm)
Sulphur dioxide	≤ 25 ppm	No	No (≤ 25 ppm)
Nitrogen dioxide	≤ 20 ppm	No	No (≤ 20 ppm)

Calibration gas generation

High pressure gas cylinder method