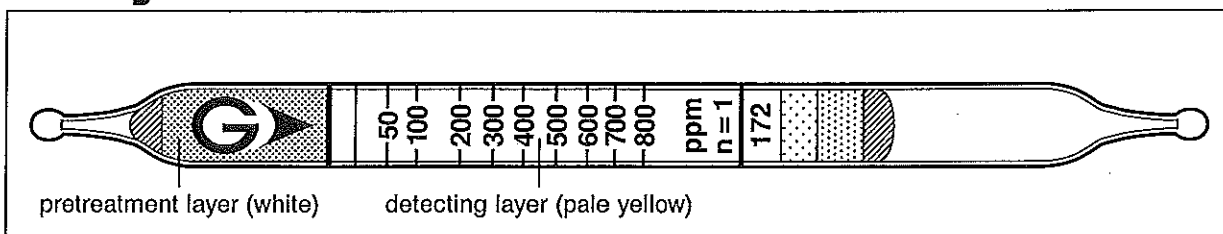


Ethylene CH₂:CH₂

No.172



Performance

Measuring range	(25) to 800 ppm	800 to 1680 ppm
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1	2.1
Sampling time	3 min	1.5 min

Detecting limit : 5 ppm (1 pump stroke)

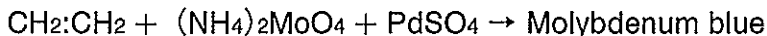
Colour change : Pale yellow → Blue

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 25 to 200 ppm), 5 % (for 200 to 800 ppm)

Shelf life : 3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Butane, Carbon monoxide	≥ 1/4	+	} Blue (whole layer)
Hydrogen, Pentane		+	
Butylene, Propylene		+	Blue
Ammonia, Butadiene		+	} White
Hydrogen cyanide		+	
Hydrogen chloride		+	Pink
Hydrogen sulphide		+	Black

Water vapour is trapped in the pretreatment (white) layer.

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Acetylene	Factor : 1.3	1	32.5 to 1040 ppm

Calibration gas generation

High pressure gas cylinder method