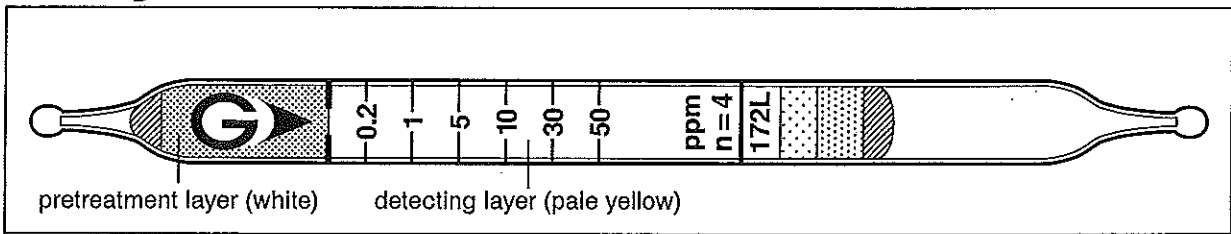


# Ethylene CH<sub>2</sub>:CH<sub>2</sub>

No.172L



## Performance

Measuring range	0.2 to 50 ppm	50 to 100 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)
Correction factor	1	2
Sampling time	8 min	4 min

Detecting limit : 0.05 ppm (4 pump strokes)

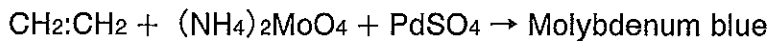
Colour change : Pale yellow → Blue

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.2 to 10 ppm), 5 % (for 10 to 50 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.

## Calibration gas generation

High pressure gas cylinder method