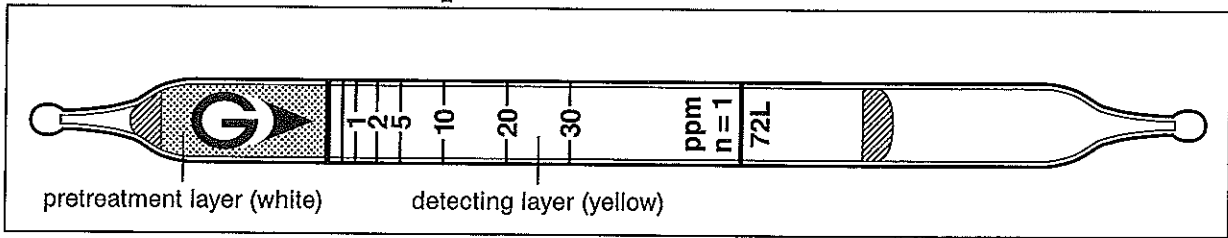


# Ethyl Mercaptan C<sub>2</sub>H<sub>5</sub>SH

No.72L



## Performance

Measuring range	0.2 to 0.5 ppm	(0.5) to 30 ppm	30 to 75 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.5
Sampling time	3 min	1.5 min	45 sec

Detecting limit : 0.15 ppm (2 pump strokes)

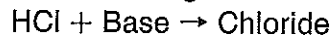
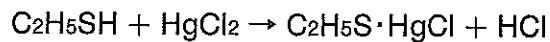
Colour change : Yellow → Red

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.5 to 5 ppm), 5 % (for 5 to 30 ppm)

Shelf life : 2 years

## Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide		+	} Red
Mercaptans		+	
Acetylene		No	} No
Carbon monoxide		No	
Ethylene		No	

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

## Calibration gas generation

Permeation tube method

## Special note

This detector tube is suitable for measuring concentrations of ethyl mercaptan used as an odorant in fuel gases for warning of their leakage.