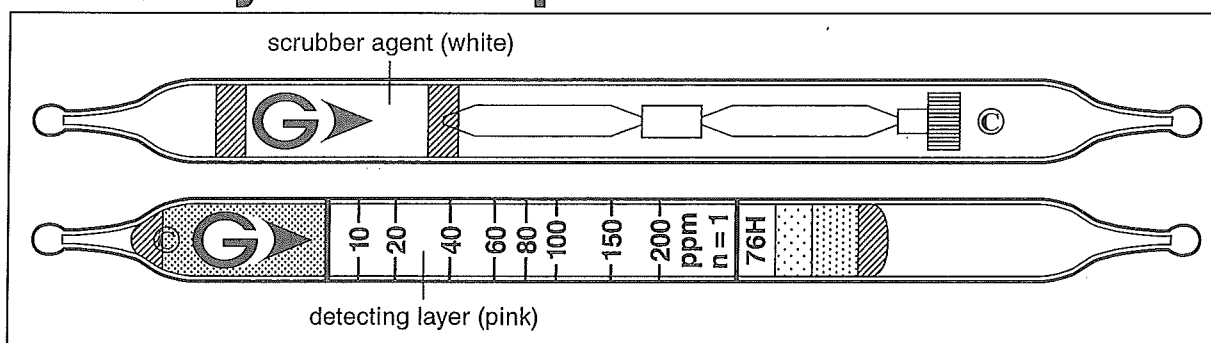


Tetrahydrothiophene C_4H_8S

No.76H



Performance

When used, these tubes are to be connected. See page 2-3.

Measuring range	10 to 200 ppm
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	1 min

Detecting limit : 2 ppm (1 pump stroke)
 Colour change : Pink → Pale yellow
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 10 to 60 ppm), 5 % (60 to 200 ppm)
 Shelf life : 2 years

Reaction principle

$C_4H_8S + MnO_4$ (pink) → Pale yellow product

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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen sulphide	≤ 300 ppm	No	} Pale pink (whole layer)
Ethyl mercaptan	≤ 3 ppm	No	
Ethylene	≤ 5000 ppm	No	
Propylene	≤ 2000 ppm	No	
Methanol	≤ 2000 ppm	No	

Calibration gas generation

Diffusion tube method