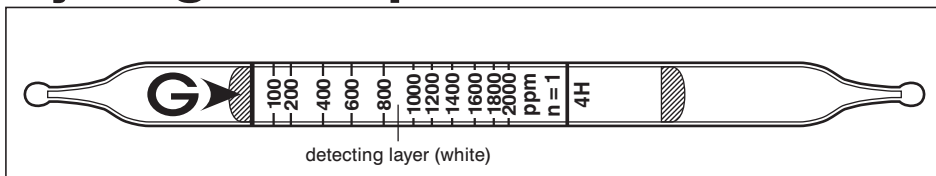


# Hydrogen Sulphide $H_2S$

No.4H



## Performance

Measuring range	10 to 100 ppm	100 to 2000 ppm	2000 to 4000 ppm
Number of pump strokes	2 to 10 (200 to 1000 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2 to 1/10	1	2
Sampling time	1.5 to 7.5 min	45 sec	30 sec

Detecting limit : 2 ppm (10 pump strokes)

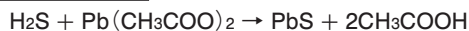
Colour change : White → Brown

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 5 % (for 100 to 2000 ppm)

Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Sulphur dioxide	$\geq 1/1$	+	} No
Ammonia		No	
Carbon dioxide		No	
Carbon monoxide		No	
Mercaptans		No	
Organic gases & vapours		No	
Nitrogen dioxide	$\geq 1/4$	-	

## Calibration gas generation

Static gas dilution method