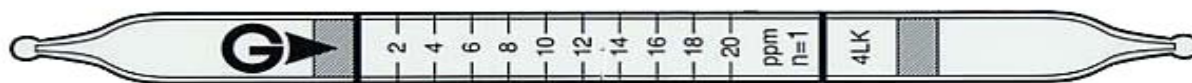


Hydrogen sulphide

H₂S

No.4LK



Performance

Measuring Range	1 to 2 ppm	2 to 20 ppm	20 to 40 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.25 ppm (n=2)		
Colour Change	White → Brown		
Reaction Principle	Hydrogen sulphide reacts with lead acetate to form lead sulphide, which colour is brown.		
Coefficient of Variation	10% (for 2 to 6 ppm), 5% (for 6 to 20 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Mercaptans	-	No effect	No discoloration
Sulphur dioxide	≥1/2 time	Plus error	No discoloration
Nitrogen dioxide	≥1/4 time	Minus error	No discoloration
Ozone	≥10 ppm	Bleaching	No discoloration

Calibration gas generation Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
10ppm	15ppm	4.0 to 44%