

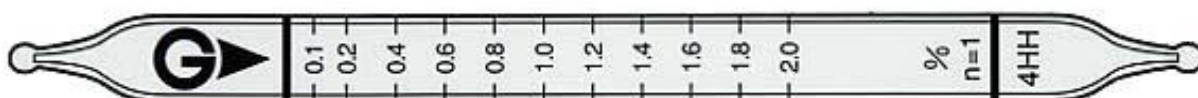


The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Hydrogen Sulphide H₂S

NO.GAS4HH



Performance

Measuring Range	0.1 to 2.0%	2.0 to 4.0%
Number of Pump Strokes	1	1/2
Correction Factor	1	2
Sampling Time	45 seconds per pump stroke	
Detecting Limit	0.01% (n=1)	
Colour Change	Pale Blue → Blackish Brown	
Reaction Principle	Hydrogen Sulphide reacts with cupric sulphate to form Cupric Sulphide, which is blackish brown. $\text{H}_2\text{S} + \text{CuSO}_4 \longrightarrow \text{Cu}_2\text{S} + \text{H}_2\text{SO}_4$	
Coefficient of Variation	10% (for 0.1 to 0.6 %), 5% (for 0.6 to 2 %)	
Shelf Life	Up to 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
Ammonia	-	Produces blackish brown and dark blue colour	Produce dark blue stain
Sulphur Dioxide	≥0.5%	Minus error	No discoloration
Mercaptans	≥1 %	Plus error	No discoloration

Calibration gas generation High pressure gas cylinder method

a1-cbiss Ltd

5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS

www.a1-cbiss.com | sales@a1-cbiss.com | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329

VAT No: 539 5178 13 Company Reg No: 2414633



Certificate No 996
ISO 9001, ISO 14001
OHSAS 18001