



Gas Detection Tube Data Sheet

Hydrogen Sulfide H₂S No. 10-103-05

	Extended Range	Standard Range	Extended Range
Range (ppmv)	0.1 – 1.5	0.2 - 3	0.4 – 6
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 2	2	1
Correction Factor	0.5	1	2

Precision (Relative Standard Deviation)*: ≤ ± 12%

Linearity with No. of Pump Strokes: r² = 0.999

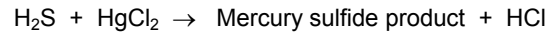
Humidity: No effect between 5 - 90% RH.

Temperature Range: No effect between 0 - 40°C (32 - 104°F).

Storage Life: 1 year in darkness at 5 - 25°C (40 - 77°F). Refrigeration preferred.

Color Change: Pale orange → Pink

Reaction Principle: Pretube eliminates humidity



<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
Methyl mercaptan	3	0 [#]
Butyl mercaptan	3	0 [#]
NH ₃	100	0
NO ₂	5	0
SO ₂	100	0
CS ₂	100	0
CO	250	0
Hexane	100	0
Isobutylene	100	0 [^]
Toluene	100	0

*Data based on RAE pumps and tubes used in standard range.

[#] Interferes at higher concentrations.

[^] Reduces response when mixed with H₂S.

Other Possible Interferences: HCl and other acids.

Caution: Dispose of spent or expired tubes according to local regulations.
Possibly hazardous materials are given under the section Reaction Principle.