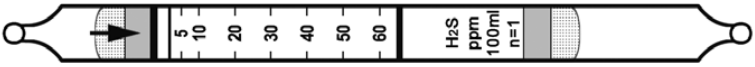
NAGCO
NORTH AMERICAN GAS CO.
SAFETY & INSTRUMENTATION GAS PRODUCTS

TUBE DATASHEET

Hydrogen Sulfide H_2S No. N10-103-10



	Extended Range	Standard Range	Extended Range
Range (ppmv)	1.25 - 30	2.5 - 60	5 - 120
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 1.5	1.5	1
Correction Factor	0.5	1	2

Precision (Relative Standard Deviation)*: ≤±12%
Linearity with No. of Pump Strokes: $r^2 = 0.998$
Humidity: No effect 5 - 85% RH
Temperature Range: 0 - 40°C (32 - 104°F)

Temp (°C/°F)	0/32	10/50	25/77	40/104
Corr. Factor	0.95	0.95	1.0	1.2

Storage Life: 3 year in darkness at 5 - 25° C (40 - 77° F). Refrigeration preferred.
Color Change: White → Light Brown
Reaction Principle: $H_2S + Pb(OAc)_2 \rightarrow PbS + 2HOAc$

Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
H_2	100%	0^
CO	250	0
CH_4	25000	0
NH_3	300	0
NO_2	200	0‡
SO_2	20	0
SO_2	1800	0†
CS_2	100	0
Methyl mercaptan	100	0#
Diethyl sulfide	100	0
Hexane	100	0
Isobutylene	100	0^
Toluene	100	0

* Data based on NAGCO pumps and tubes used in standard range.
^ No effect in mixtures.
‡ Interferes in mixtures; May result in transient light brown H_2S response.
† Interferes in mixtures; High SO_2 concentrations suppress H_2S response.
# Concentrations in the high % range leave a yellow color over the entire tube.