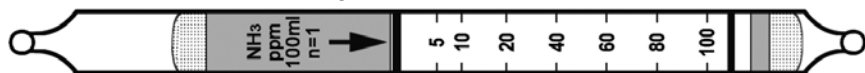


Ammonia NH₃

No. H-10-100-10



	Extended Range	Standard Range	Extended Range
Range (ppmv)	2.5 - 50	5 - 100	10 - 200
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 1	1	1
Correction Factor	0.5	1	2

Precision (Relative Standard Deviation)*: $\leq \pm 12\%$

Linearity with No. of Pump Strokes: $r^2 = 1.000$

Humidity: @ 24 °C (75 °F) The tubes are calibrated at 50% RH.

% RH	< 5%	20%	50%	70%	90%
Corr. Factor	0.7	0.8	1.0	1.1	1.3

Temperature Range: 0 - 35°C (32 - 95°F) @ constant 50% RH

Temp (°C/°F)	0/32	10/50	24/75	34/93
Corr. Factor	0.8	1.0	1.0	1.0

Storage Life: 2 years in darkness at 3 - 10°C (37 - 50°F). Refrigeration required.

Color Change: Purple → Beige

Reaction Principle: Prelayer reduces humidity effects



Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
Butylamine	100#	45
Diethylamine	50#	60
CO	250	0
H ₂ S	100#	0
SO ₂	100#	0
CH ₄	50000	0
CO ₂	50000	0
NO ₂	200	0
Hexane	100	0
Isobutylene	100	0
Toluene	100	0

* Data based on Honeywell pumps and tubes used in standard range. # At 50% RH.

Other Possible Interferences: Amines and other bases.

DATA SHEETS