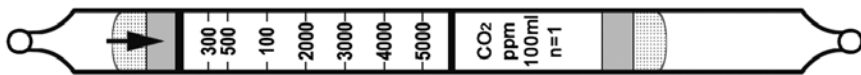


Carbon Dioxide CO₂ No. H-10-104-30



	Extended Range	Standard Range	Extended Range
Range (ppmv)	150 - 2500	300 - 5000	600 - 10000
No. of Pump Strokes	2	1	0.5
Sample Volume (mL)	200	100	50
Sample Time (min)	2 x 2	2	1.5
Correction Factor	0.5	1	2.3

Precision (Relative Standard Deviation)*: ≤ ± 10%

Linearity with No. of Pump Strokes: r² = 0.993

Humidity: No effect 5 - 85% RH

Temperature Range: 0 - 40°C (32 - 104°F)

Temp (°C/°F)	0/32	10/50	21/70	40/104
Corr. Factor	0.90	0.95	1.0	0.95

Storage Life: 2 years in darkness at 5 - 25°C (40 - 77°F). Refrigeration preferred.

Color Change: White → Purple

Reaction Principle: CO₂ + H₂NNH₂ → H₂NNHCO₂H (pH indicator change)

Cross-sensitivity: Substance	Concentration (ppmv)	Apparent Reading*
CO	3000	0
SO ₂	2050	500
SO ₂	200	~50
NO	100	0
NH ₃	50,000	0
H ₂ S	2000	0
Hexane	1500	0
Isobutylene	100	0
Toluene	400	0

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

Other Possible Interferences: Acid gases. Ammonia interferes in mixtures.