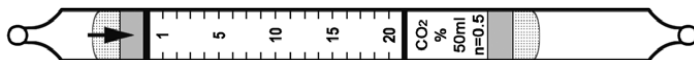


Carbon Dioxide CO₂

No. N10-104-50



	Extended Range	Extended Range	Standard Range
Range (%)	0.25 - 5%	0.5 - 10%	1 - 20%
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	0.25	0.5	1

Precision (Relative Standard Deviation)*: $\leq \pm 10\%$

Linearity with No. of Pump Strokes: $r^2 \geq 0.999$

Humidity: No effect 5 - 100% RH

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

Storage Life: 3 years in darkness at 5 - 25° C (40 - 77° F). Refrigeration preferred.

Color Change: White → Purple

Reaction Principle: $\text{CO}_2 + \text{H}_2\text{NNH}_2 \rightarrow \text{H}_2\text{NNHCO}_2\text{H}$ (pH indicator change)

<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
CO	3000	0
SO ₂	200	0
NO	100	0
NH ₃	300	0
CH ₄	25000	0
H ₂ S	100	0
Hexane	1200	0
Isobutylene	100	0
Toluene	100	0

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

Other Possible Interferences: Acid gases