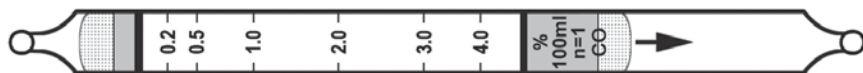


Carbon Monoxide CO No. H-10-102-45



	Extended Range	Standard Range	Extended Range
Range (%)	0.1 - 2%	0.2 - 4%	0.4 - 8%
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	2.0

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

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

Humidity: No effect 5 - 100% RH.

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

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

Color Change: White → Dark Brown

Reaction Principle: $5\text{CO} + \text{I}_2\text{O}_5 + \text{H}_2\text{S}_2\text{O}_7 \rightarrow \text{I}_2 + \text{CO}_2 + \text{sulfur products}$

<u>Cross-sensitivity:</u> Substance	Concentration (ppmv)	Apparent Reading*
H ₂ S	100	0
NH ₃	300	0
CH ₄	25000	0
Hexane	600	0.4%
Hexane	1200	1.2%
Isobutylene	100	0
Toluene	100	0

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

Other Possible Interferences: Hydrocarbons and similar reducing gases.