

Carbon Dioxide-0.1%

KWIK DRAW
UNIPHOS

Part No. D5085817

Part No. (US): 487333

Performance:

Measurement Range	0.5 - 7 vol%	0.1 - 1.2 vol%
Number of Strokes	1	5
Sampling Time	20 - 30 seconds per stroke	
Relative Standard Deviation	±15 to 25 %	
Colour Change	White → Violet	



Reaction Principle:

$\text{CO}_2 + \text{N}_2\text{H}_4 \rightarrow$ color change of an acid-base indicator.

Operating Conditions:

Detector tubes can be used without compensation of reading between 0 °C and 40 °C (32 °F and 104 °F) and between 10 % RH (0.5 mg/l at 0 °C [32 °F]) and 90 % RH (46 mg/l at 40 °C [104 °F]).

Interferences and Cross Sensitivities:

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Butane, Carbon monoxide.	No interference
Higher saturated hydrocarbons (e.g. Hexanes, Octanes), Olefinic hydrocarbons (e.g. Ethylene), Aromatic hydrocarbons (e.g. Benzene) up to 1 vol%.(n=5)	No interference
Sulphur dioxide, Hydrogen sulphide, Nitrogen dioxide, Hydrogen chloride and other acidic gases up to 1000 ppm (n=1) or 200 ppm (n=5).	No interference
Ammonia up to 1000 ppm (n=1) or 200 ppm (n=5).	No interference

TLV(TWA): 5000 ppm

TLV(STEL): 30,000 ppm

Flammable Range: Non Flammable