

# Carbon Dioxide-1%

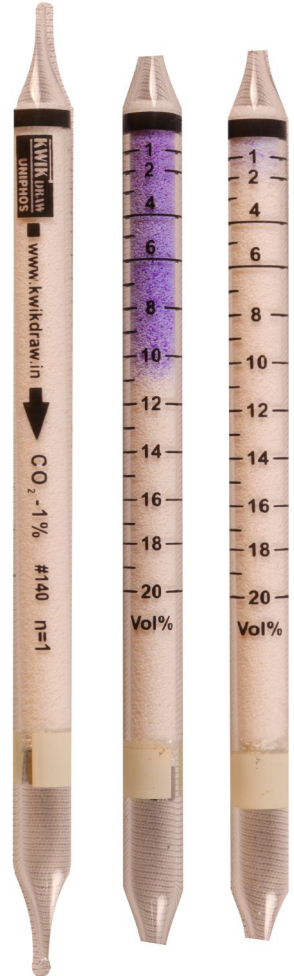
**KWIKDRAW**  
UNIPHOS

Part No. D5085841

Part No. (US): 804419

## Performance:

Measurement Range	1 - 20 vol%
Number of Strokes	1
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  $-20\text{ }^\circ\text{C}$  and  $50\text{ }^\circ\text{C}$  ( $0\text{ }^\circ\text{F}$  and  $120\text{ }^\circ\text{F}$ ) and between 10 % RH ( $0.1\text{ mg/l}$  at  $-20\text{ }^\circ\text{C}$  [ $0\text{ }^\circ\text{F}$ ]) and 90 % RH ( $75\text{ mg/l}$  at  $50\text{ }^\circ\text{C}$  [ $120\text{ }^\circ\text{F}$ ]).

## 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%.	No interference
Sulphur dioxide, Hydrogen sulphide, Nitrogen dioxide, Hydrogen chloride and other acidic gases up to 1 vol%.	No interference
Ammonia up to 1 vol%.	No interference

TLV(TWA): 5000 ppm

TLV(STEL): 30,000 ppm

Flammable Range: Non Flammable