

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Dioxide

## CO<sub>2</sub>

## SCD-5.2

TWA (TLV): 5000 ppm

STEL (TLV): 30,000 ppm

Non Flammable

### Specification:

Measurement Range	Extended	Standard	Extended
	50 - 2500 ppm	100 - 5000 ppm	200 - 10000 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	White → Purple		
Shelf Life	1 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	CO <sub>2</sub> + N <sub>2</sub> H <sub>4</sub> → NH <sub>2</sub> -NH-COOH		
Relative standard deviation	± 10 %		

\* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

### Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
CO		No	No effect
NH <sub>3</sub>		No	No effect
NO <sub>2</sub>		No	No effect
SO <sub>2</sub>		No	No effect

### Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



**Manufactured By:** Uniphos Envirotronic Pvt. Ltd. (100% EOU)  
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