

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Monoxide co

## SCO- 2

TWA (TLV): 25 ppm

STEL (TLV): 50 ppm

Flammable Range: 13-74%

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	1 - 30 ppm	Do not extend
No. of Pump Strokes		5(500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	3 minutes per pump stroke (100 mL)		
Color Change	White → Brownish green		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$\text{CO} + \text{I}_2\text{O}_5 + \text{H}_2\text{S}_2\text{O}_7 \rightarrow \text{I}_2$		
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
Hydrogen Sulphide	100	No	No Effect
Ammonia	120	No	No Effect
Hydrogen	99.9 %	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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