

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Monoxide co

## SCO- 4M

TLV (TWA): 25 ppm

TLV (STEL): -----

Flammable Range: 13-74%

### Specification:

Measurement Range	Extended	Standard	Extended
	12.5 - 25 ppm	25 - 600 ppm	600 - 1200 ppm
No. of Pump Strokes	2(200 mL)	1(100 mL)	1/2 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	White → Brownish green		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	CO + I <sub>2</sub> O <sub>5</sub> + H <sub>2</sub> SO <sub>7</sub> → I <sub>2</sub>		
Relative standard deviation	± 10 – 15 %		

\* 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
Nitrogen oxide	200	No	No Effect
n-Hexane	400	No	No Effect
Toluene	100	No	No Effect
Ammonia	300	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.  
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