

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Monoxide

CO

## SCO- 6M

TLV (TWA): 25 ppm

TLV (STEL): -----

Flammable Range: 13-74%

### Specification:

Measurement Range	Extended	Standard	Extended
	0.005 – 0.01 %	0.01 – 0.7%	0.7 – 1.4 %
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	3.5 minutes per pump stroke (100 mL)		
Color Change	White → Brown with green top		
Shelf Life	1 year		
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 (%)	Interference	Colour change / Comments
Hydrogen sulphide	0.01	No	No Effect
Ammonia	0.03	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 %.

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