

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Carbon Monoxide co

SCO- 4

TLV (TWA): 25 ppm

TLV (STEL): ----

Flammable Range: 13-74%

Specification:

Measurement Range	Extended	Standard	Extended
	5- 50 ppm	50 - 1000 ppm	1000- 2000 ppm
No. of Pump Strokes	10 to 2(1000 to 200 mL)	1 (100 mL)	½ (50 mL)
Volume Correction Factor (VCF)*	0.1 to 0.5	1.0	2
Sampling Time	1.5 minutes 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	$\text{CO} + \text{I}_2\text{O}_5 + \text{H}_2\text{S}_2\text{O}_7 \rightarrow \text{I}_2$		
Relative standard deviation	± 10 – 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
Ammonia	180	No	No Effect
n-Hexane	400	No	No Effect
Toluene	100	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.
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