

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Carbon Monoxide co

SCO-3

TWA (TLV): 25 ppm

STEL (TLV): 50 ppm

Flammable Range: 13-74%

Specification:

	Extended	Standard	Extended
Measurement Range	2.5- 50 ppm	5 - 100 ppm	10- 200 ppm
No. of Pump Strokes	4(400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	2.5 minutes per pump stroke (100 mL)		
Color Change	Yellow → Greenish brown		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F) & dark place		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$\text{CO} + \text{Na}_2\text{Pd}(\text{SO}_3)_2 \rightarrow \text{Pd} + \text{CO}_2 + \text{SO}_2 + \text{Na}_2\text{SO}_3$		
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
H ₂ S	100	+	
NO	200	No	No Effect
n-Hexane	100	No	No Effect
Toluene	100	No	No Effect
Ammonia	300	No	Ring

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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