

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Chlorine

TWA (TLV): 0.5 ppm



STEL (TLV): 1 ppm

SCL-4M

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	25 - 250 ppm	50 - 500 ppm	100 - 1000 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.5 minutes per pump stroke (100 mL)		
Color Change	White → Orange		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$Cl_2 + o$ - Tolidine → Orange reaction product		
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
ClO_2		+	White to Orange
NO_2		+	White to Orange
Br_2		+	White to Orange

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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