

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Chlorine

Cl₂

SCL-1M

TWA (TLV): 0.5 ppm

STEL (TLV): 1 ppm

Flammable Range: NA

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.25-5.0 ppm	0.5-10 ppm
No. of Pump Strokes		2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	1.5 minutes per pump stroke		
Color Change	White → Light orange with yellow top		
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 → Yellow reaction product		
Relative standard deviation	± 10 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Cross-sensitivities Data:

Compound	Concentration (ppm)	Interference	Colour change /Comments
ClO ₂		+	White to Light orange with yellow top
NO ₂		+	White to Light orange with yellow top
Br ₂		+	White to Light orange with yellow top

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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

Rev.0812