

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Monoxide co

## SCO- 6M

TWA (TLV): 25 ppm

STEL (TLV): 50 ppm

Flammable Range: 13-74%

### Specification:

|                                 | Extended  | Standard    | Extended     |
|---------------------------------|---|-------------|--------------|
| Measurement Range               | 0.005 – 0.35 %  | 0.01 – 0.7% | 0.02 – 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 → Brownish green 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              | $\text{CO} + \text{I}_2\text{O}_5 + \text{H}_2\text{SO}_7 \rightarrow \text{I}_2$ |             |              |
| Relative standard deviation     | ± 10 %  |             |              |

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

### Possible Interferences:

| Compound         | Concentration (%) | Interference | Colour change / Comments |
|------------------|-------------------|--------------|--------------------------|
| H <sub>2</sub> S | 0.01              | No           | No Effect                |
| NH <sub>3</sub>  | 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 %.             |



**Manufactured By:** Uniphos Envirotronic Pvt. Ltd.  
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