

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Carbon Monoxide

## CO

## SCO- 8

TLV (TWA): 25 ppm

TLV (STEL): ----

Flammable Range: 13-74%

### Specification:

| Measurement Range               | Extended   | Standard   | Extended      |
|---------------------------------|--|------------|---------------|
|                                 | 0.5 – 1 %  | 1 – 20 %   | Do not extend |
| No. of Pump Strokes             | 1(100 mL)  | 1/2(50 mL) |               |
| Volume Correction Factor (VCF)* | 0.5  | 1          |               |
| Sampling Time                   | 2 minutes for half pump stroke (50 mL)   |            |               |
| Color Change                    | White → Dark brown   |            |               |
| 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 (%) | Interference | Colour change / Comments |
|-------------------|-------------------|--------------|--------------------------|
| Hydrogen sulphide | 0.01              | No           | No Effect                |
| Ammonia           | 0.03              | No           | No Effect                |
| Methane           | 2.50              | No           | No Effect                |
| Hexane            | 0.12              | No           | No Effect                |
| Toluene           | 0.01              | 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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