# **Ethylene Glycol-10**



Part No. D7086887

Part No. (US): D7086887

#### **Performance:**

Measurement Range	10 - 180 mg/m³
Number of Strokes	10
Sampling Time	40 - 50 seconds per stroke
Relative Standard Deviation	Up to ± 25 %
Colour Change	White → Reddish Pink

#### **Reaction Principle:**

 $(CH_2OH)_2 + Oxidizer \rightarrow HCHO$ 

HCHO + (CH<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>4</sub> + H<sub>2</sub>SO<sub>4</sub> → Quinoid product

## **Operating Conditions:**

Detector tubes can be used without compensation of the reading between  $10 \, ^{\circ}\text{C}$  and  $35 \, ^{\circ}\text{C}$  ( $50 \, ^{\circ}\text{F}$  and  $95 \, ^{\circ}\text{F}$ ) and between relative humidity of  $5 - 18 \, \text{mg/l}$ .

### **Interferences And Cross Sensitivities:**

Compound	Interference
Ethylene Oxide and Formaldehyde	Will be indicated by reddish pink discoloration. The sensitivity of indication may be different.
Acetaldehyde, Styrene and Vinyl acetate	Will be detected by yellowish brown discolouration. The sensitivity of indication may be different.

