

Part No. D5085849

Part No. (US): 804438

## Performance :

Measurement Range	20 - 160 mg/m <sup>3</sup>	5 - 70 mg/m <sup>3</sup>
Sampling Volume	5 L	10 L
Sampling Time @ 1.0 L/min	5 min	10 min
Relative Standard Deviation	±15 to 25 %	
Colour Change	Yellow → Brown or brown/green	

## Reaction Principle :

$\text{H}_2\text{O} + \text{SeO}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{Brown/green reaction product}$

## Operating Conditions :

Detector tubes can be used between 0°C and 35°C (32°F and 95°F). The calibration scales on detector tube are exactly valid if tubes have a temperature of 20 °C (68 °F) during measurement. If detector tube temperature deviates from 20 °C (68 °F), multiply reading (mg/m<sup>3</sup>) with appropriate correction factor (see table).

Temperature of detector tube (°C)	0	5	10	15	20	25	30	35
Temperature of detector tube (°F)	32	41	50	59	68	77	86	95
Correction factor	1.85	1.55	1.35	1.17	1.00	0.85	0.70	0.57

Normally, detector tube temperature should be brought to ambient temperature before measurement.

## Interferences And Cross Sensitivities :

Compound	Interference
Hydrogen, Methane, Ethane, Propane, Carbon monoxide, Carbon dioxide, Mineralic oil (vapour and mist).	No interference

