

Part No. D5086851

Part No. (US):D5086851

Performance :

Measurement Range	100 - 1000 mg/m ³
Sampling Volume	2 L
Sampling Time @ 1.0 L/min	2 min
Relative Standard Deviation	±15 to 20 %
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/m³) 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

