

Part No. D7086862

Part No. (US): D7086862

Performance :

Measurement Range	0.2 - 2.5 ppm	0.1 - 1.25 ppm
Number of Strokes	10	20
Sampling Time	20 - 25 seconds per stroke	
Relative Standard Deviation	Up to $\pm 25\%$	
Colour Change	White \rightarrow Violet Red	

Reaction Principle :

$\text{HCHO} + \text{C}_6\text{H}_4(\text{CH}_3)_2 + \text{H}_2\text{SO}_4 \rightarrow \text{quinoid reaction products}$

Operating Conditions :

Detector tubes can be used between 5 °C and 30 °C (41 °F and 86 °F) and up to 70% RH (4 -21 mg/l at 30°C [86°F]).

Interferences And Cross Sensitivities :

Compound	Interference
Styrene, Acrolein, Diesel and α -pinene are indicated by yellow brown discoloration, however, with different sensitivity.	Are also indicated by yellow brown discoloration, however, with different sensitivity.
α -pinene	The lower detection limit is 0.5 ppm for n=20.
n-Octane	No interference with 500 ppm

For Acetaldehyde Detection Below Table Can Be Referred

Formaldehyde (ppm) n=10	0.2	0.5	1	1.5	2	2.5
Acetaldehyde (ppm) n=10	10	20	35	50	65	80

