Formaldehyde-0.1

KWIK DRAW UNIPHOS

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 ± 25 %	
Colour Change	White → Violet Red	

Reaction Principle:

$HCHO + C_6H_4(CH_3)_2 + H_2SO_4 \rightarrow$ 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-Otane	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

TLV(TWA): 0.3 ppm TLV(STEL): N.A. Flammable Range: 7.0 - 73%