Formaldehyde 0.2/a

Order No. 67 33 081

Application Range

Standard Measuring Range: 0.5 to 5 / 0.2 to 2.5 ppm Number of Strokes n: 10 / 20 Time for Measurement: approx. 1.5 min / approx. 3 min Standard Deviation: \pm 20 to 30 % Color Change: white \rightarrow pink

Ambient Operating Conditions

Temperature: 10 to 40 °C
Absolute Humidity: 3 to 15 mg/ L

Reaction Principle

 $HCHO + C_6H_4(CH_3)_2 + H_2SO_4 \rightarrow \text{quinoid reaction products}$

Cross Sensitivity

Styrene, vinyl acetate, acetaldehyde, acrolein, diesel fuel and furfuryl alcohol are indicated with a yellowish brown discoloration. 500 ppm octane, 5 ppm nitric oxide and 5 ppm nitrogen dioxide have no effect.

Extension of the Measuring Range

The measuring range can be extended in conjunction with the activation tube (Order No. 81 01 141). The following information applies to the n = 20 stroke scale:

Pump Strokes	Scale divided by	Range	
40	2	0.1 to 1.25 ppm	
80	4	0.05 to 0.63 ppm	
100	5	0.04 to 0.5 ppm	



