

Formaldehyde 2/a

Order No. 81 01 751

Application Range

Standard Measuring Range:	2 to 40 ppm
Number of Strokes n:	5
Time for Measurement:	approx. 30 s
Standard Deviation:	± 20 to 30 %
Color Change:	white → pink

Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	3 to 15 mg H ₂ O / L

Reaction Principle

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

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.

Additional Information

The reagent ampoule must be broken before carrying out the measurement.



Northside Sales, Co.

Safety & Industrial Products

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