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_2O / L

Reaction Principle

$HCHO + C_6H_4(CH_3)_2 + H_2SO_4 \rightarrow$ 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.

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