

# Toluene 100/a

Order No. 81 01 731

## Application Range

Standard Measuring Range:	100 to 1,800 ppm
Number of Strokes n:	10
Time for Measurement:	approx. 1.5 min
Standard Deviation:	± 10 to 15 %
Color Change:	white → brown violet

## Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	< 30 mg H <sub>2</sub> O / L

## Reaction Principle

Toluene + SeO<sub>2</sub> + H<sub>2</sub>SO<sub>4</sub> → brown violet reaction product

## Cross Sensitivity

Xylenes are indicated with approximately the same sensitivity, but with a bluish violet color.

Benzene discolors the entire indicating layer a diffuse yellow brown.

Petroleum hydrocarbons discolor the entire indicating layer a diffuse reddish brown.

Methanol, ethanol, acetone and ethyl acetate do not interfere in the range of their TLVs.

