

Order No.

81 01731

## Toluene 100/a

**Standard Measuring Range** : 100 to 1,800 ppm  
**Number of Strokes (n)** : 10  
**Time for Measurement** : app. 1.5 min  
**Standard Deviation** :  $\pm 10$  to 15 %  
**Colour Change** : white  $\rightarrow$  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>  $\rightarrow$  brown violet reaction product

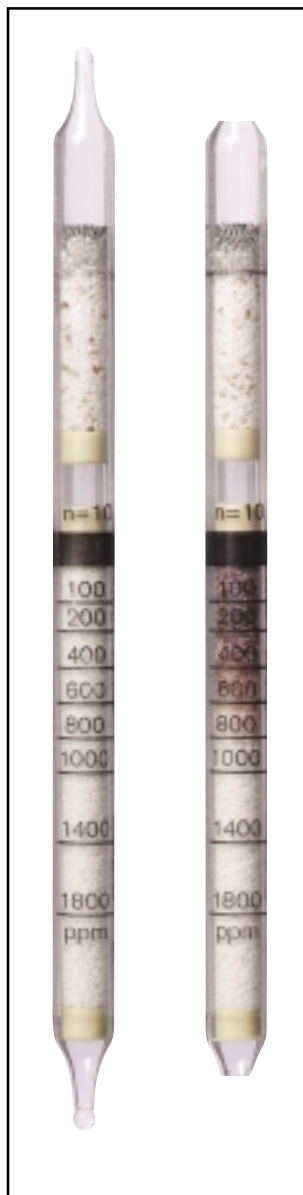
### Cross Sensitivity

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

Benzene discolours the entire indicating layer a diffuse yellow brown.

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

Methanol, ethanol, acetone and ethyl acetate do not interfere.



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