



**Standard Measuring Range** : 5 to 200 ppm  
**Number of Strokes (n)** : 20  
**Time for Measurement** : app. 5 min  
**Standard Deviation** :  $\pm 30$  to 40 %  
**Colour Change** : yellow  $\rightarrow$  blue

### Ambient Operating Conditions

**Temperature** : 15 to 35 °C  
**Absolute Humidity** : 5 to 12 mg H<sub>2</sub>O / L

### Reaction Principle

$\text{CH}_2=\text{CH}-\text{COOCH}_3 + \text{Pd-Molybdate complex} \rightarrow \text{blue reaction product}$

### Cross Sensitivity

Other compounds with C=C double bonds are indicated, but with different sensitivities. It is impossible to differentiate between them.

It is not possible to measure methyl acrylate in the presence of hydrogen sulphide. Hydrogen sulphide will discolour the indicating layer black.

Carbon monoxide in high concentrations discolours the indication layer a pale blue grey.