

Ethylene 50/a

Order No. 67 28 051

Application Range

Standard Measuring Range:	50 to 2,500 ppm
Number of Strokes n:	3
Time for Measurement:	approx. 6 min
Standard Deviation:	± 20 to 30 %
Color Change:	yellow → blue

Ambient Operating Conditions

Temperature:	15 to 40 °C
Absolute Humidity:	< 30 mg H ₂ O / L

Reaction Principle

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

Cross Sensitivity

Organic compounds with C=C double bonds are indicated, but with different sensitivities. It is impossible to differentiate between them. In the presence of CO, the indicating layer is colored blue depending upon the CO concentration and its exposure time. H₂S is indicated by a black color, but with considerably lower sensitivity.

