

# Ethylene 0.1/a

Order No. 81 01 331

E

## Application Range

Standard Measuring Range:	0.2 to 5 ppm
Number of Strokes n:	20
Time for Measurement:	approx. 30 min
Standard Deviation:	± 30 to 40 %
Color Change:	pale yellow → blue

## Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	5 to 20 mg H <sub>2</sub> O / L

## Reaction Principle

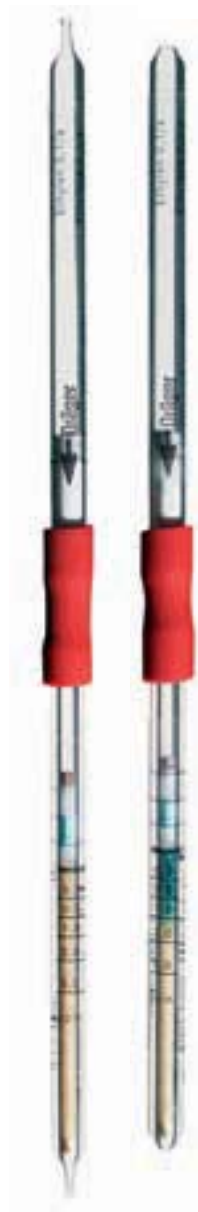
$\text{CH}_2=\text{CH}_2 + \text{Pd-Molybdate complex} \rightarrow \text{blue reaction product}$

## Cross Sensitivity

Other compounds with C=C double bonds are indicated, but with different, usually lower, sensitivities. It is impossible to differentiate between them. 25 ppm CO colors the entire indication layer grayish blue.

## Extension of the Measuring Range

With  $n = 40$  strokes the indication of 0.2 ppm corresponds to a concentration of 0.1 ppm.



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