

Order No.
67 28051

Ethylene 50/a

Standard Measuring Range : 50 to 2,500 ppm
Number of Strokes (n) : 3
Time for Measurement : app. 4 min
Standard Deviation : ± 20 to 30 %
Colour Change : yellow \rightarrow blue

Ambient Operating Conditions

Temperature : 15 to 40 °C
Absolute Humidity : < 30 mg H₂O / L

Reaction Principle

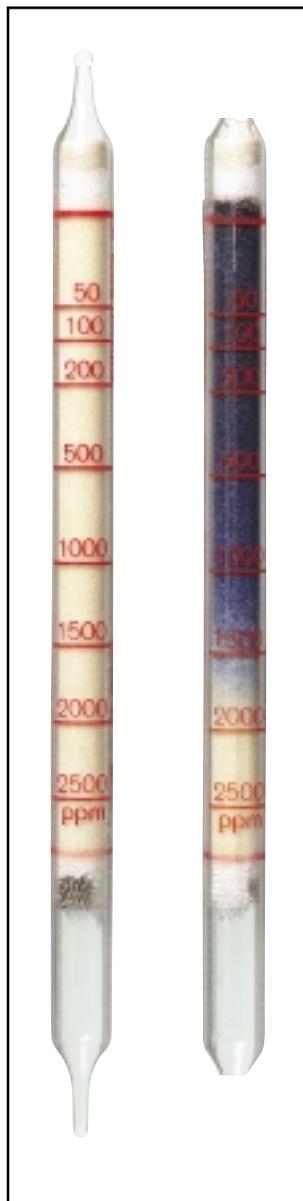
$\text{CH}_2=\text{CH}_2 + \text{Pd-Molybdate complex} \rightarrow \text{blue reaction product}$

Cross Sensitivity

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

In the presence of CO, the indicating layer is coloured blue depending upon the CO concentration.

H₂S is indicated by a black colour, but with considerably lower sensitivity.



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