

Ethylene 0.1/a

Order No.

81 01331



Standard Measuring Range : 0.2 to 5 ppm
Number of Strokes (n) : 20
Time for Measurement : app. 30 min
Standard Deviation : ± 30 to 40 %
Colour Change : pale yellow \rightarrow blue

Ambient Operating Conditions

Temperature : 10 to 40 °C
Absolute Humidity : 5 to 20 mg H₂O / L

Reaction Principle

CH₂=CH₂ + Pd-Molybdate complex \rightarrow 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.

50 ppm H₂S gives an indication up to 0.4 ppm.

25 ppm CO colours 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.