

Ethylene 0.1/a

Catalog No 8101331

Standard Measuring Range: 0.2 to 5 ppm
Number of Strokes (n): 20
Time for Measurement: about 30 minutes
Standard Deviation: ± 30 to 40%
Color Change: pale yellow to blue

Ambient Operation Conditions

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

Reaction Principle

CH₂=CH₂ + Pd-Molybdate complex → 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 colors the entire indication layer greyish 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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