Methyl Acrylate 5/a

Order No. 67 28 161

Application Range

Standard Measuring Range:	5 to 200 ppm
Number of Strokes n:	20
Time for Measurement:	approx. 5 min
Standard Deviation:	± 30 to 40 %
Color Change:	yellow → blue

Ambient Operating Conditions

Temperature:	15 to 35 °C
Absolute Humidity:	5 to 12 mg H_2O / L

Reaction Principle

CH_2=CH-$COOCH_3$ + Pd-Molybdate complex → blue reaction product

Cross Sensitivity

Other compounds with C=C double bonds are indicated, but with different sensitivities. It is impossible to differentiate between them. It is impossible to measure methyl acrylate in the presence of hydrogen sulfide. Hydrogen sulfide will discolor the indicating layer black. Carbon monoxide in high concentrations discolors the indicating layer pale blue grey.

ST-60-2001