

Ethylene Oxide 25/a

Order No. 67 28 241

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Application Range

Standard Measuring Range:	25 to 500 ppm
Number of Strokes n:	30
Time for Measurement:	approx. 6 min
Standard Deviation:	± 20 to 30 %
Color Change:	pale yellow → turquoise green

Ambient Operating Conditions

Temperature:	15 to 30 °C
Absolute Humidity:	3 to 15 mg H ₂ O / L

Reaction Principle

Ethylene oxide + Cr^{VI} → Cr^{III} + various oxidation products

Cross Sensitivity

Alcohols, esters and aldehydes are also indicated, but with different sensitivities. It is impossible to differentiate between them. Propylene oxide is also indicated, but with a different sensitivity. Ethylene, ketones and toluene in the TLV range do not interfere.



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