

Chloroformate 0.2/b

Order No. 67 18 601

Application Range

Standard Measuring Range:	0.2 to 10 ppm
Number of Strokes n:	20
Time for Measurement:	approx. 3 min
Standard Deviation:	± 20 to 30 %
Color Change:	white → yellow orange

Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	5 to 15 mg H ₂ O / L

Reaction Principle

$\text{ClCOOR} + 4\text{-(4-nitrobenzyl)-pyridine} \rightarrow \text{yellow reaction product}$

Cross Sensitivity

Methyl, ethyl and isopropylchloroformate are indicated with approximately the same sensitivity. It is impossible to differentiate them. Petroleum hydrocarbons, aromatics, alcohols and ketones in the TLV range do not affect the indication. It is impossible to measure chloroformate in the presence of phosgene.

