Order No. 81 03 521

Application Range

Standard Measuring Range:	0.1 to 0.6 ppm / 1 to 5 ppm
Number of Strokes n:	5 / 1
Time for Measurement:	approx. 5 min / approx. 1 min
Standard Deviation:	± 15 to 20 %
Color Change:	yellow → pink

Ambient Operating Conditions

Temperature:	15 to 40 °C
Absolute Humidity:	\leq 20 mg H $_2$ O / L

Reaction Principle

$$\begin{split} & \text{I}_2 + \text{HgCI}_2 \rightarrow \text{HgI}_2 + \text{CI}_2 \\ & \text{CI}_2 + \text{Indicator} \rightarrow \text{pink reaction product} \end{split}$$

Cross Sensitivity

Mercaptans, arsine, phosphine and nitrogen dioxide are displayed with varying sensitivities. 10 ppm hydrocyanic acid changes the color of the entire indicating layer to a light orange.

