

# Oxygen 5%/C

Order No. 81 03 261



## Application Range

Standard Measuring Range:	5 to 23 Vol.-%
Number of Strokes n:	1
Time for Measurement:	approx. 1 min
Standard Deviation:	± 10 to 15 %
Color Change:	blue black → white

## Ambient Operating Conditions

Temperature:	5 to 50 °C
Absolute Humidity:	0 to 40 mg H <sub>2</sub> O / L

## Reaction Principle

- $O_2 + TiCl_3 \rightarrow Ti^{IV}\text{-compound}$
- Absorbtion of the hydrochloric acid, generated during reaction, by a silica gel filter layer.

## Cross Sensitivity

Carbon dioxide, carbon monoxide, solvent vapors, halogenated hydrocarbons and N<sub>2</sub>O do not affect the indication.

## Additional Information

These tubes become very warm during measurement, reaching temperatures of approximately 100 °C. Therefore these tubes should not be used in potentially combustible atmospheres. If in doubt, test the area before using the tube with a combustible gas monitor, before using the tube.

