

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 ₂ O / L

Reaction Principle

- $O_2 + TiCl_3 \rightarrow Ti^{IV}\text{-compound} + HCl$
- Adsorption of HCl by silica gel

Cross Sensitivity

Carbon dioxide, carbon monoxide, solvent vapors, halogenated hydrocarbons and N₂O 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.



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