



Standard Measuring Range : 5 to 23 Vol.-%
Number of Strokes (n) : 1
Time for Measurement : app. 1 min
Standard Deviation : ± 5 to 10 %
Colour Change : blue black \rightarrow white grey

Ambient Operating Conditions

Temperature : 5 to 50 °C
Absolute Humidity : 0 to 40 mg H₂O / L

Reaction Principle

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

Cross Sensitivity

Carbon dioxide, carbon monoxide, solvent vapors, halogenated hydrocarbons and nitrous oxide do not affect the indication.

Additional Information

These tubes become very warm during the 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.