

Order No.
81 01491

Fluorine 0.1/a

Standard Measuring Range : 0.1 to 2 ppm
Number of Strokes (n) : 20
Time for Measurement : app. 5 min
Standard Deviation : ± 15 to 20 %
Colour Change : white \rightarrow yellow

Ambient Operating Conditions

Temperature : 0 to 40 °C
Absolute Humidity : < 10 mg H₂O / L

Reaction Principle

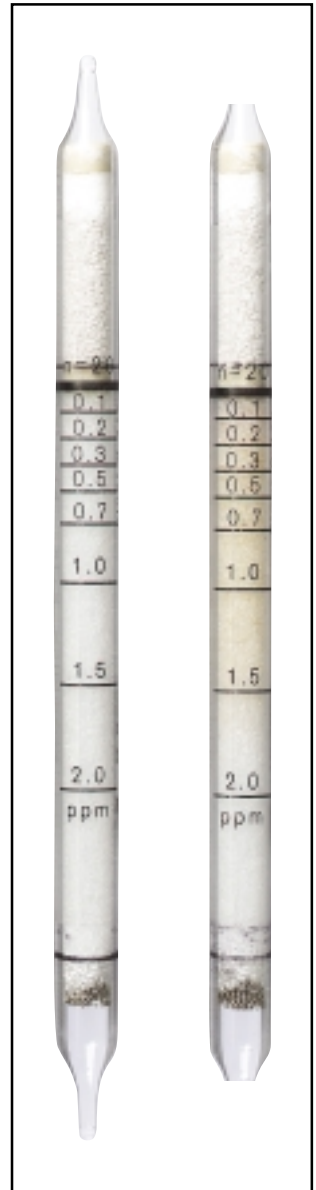
- a) $F_2 + Mg O_2 \rightarrow Cl_2 + Mg F_2$
b) $Cl_2 + o\text{-Tolidine} \rightarrow$ yellow reaction product

Cross Sensitivity

Nitrogen dioxide, chlorine and chlorine dioxide are indicated, but with different sensitivities.

Extension of the Measuring Range

Using $n=40$, divide the reading by 2; the range of measurement is 0.05 to 1 ppm.



ST-44-2001