

Order No.

81 01781

Water Vapour 1/b

Standard Measuring Range : 20 to 40mg/L / 1 to 15 mg/L
Number of Strokes (n) : 1 / 2
Time for Measurement : app. 20 s / app. 40 s
Standard Deviation : ± 15 to 20 %
Colour Change : yellow \rightarrow turquoise-blue

Ambient Operating Conditions

Temperature : 0 to 50 °C
Absolute Humidity : up to 100% r.h.
Condensation in the tube causes measurement errors!
If high r.h. (in excess of 80%) is to be expected, the temperature of the tube should be at least 5 °C higher than ambient temperature.
Given a r.h. below 80%, the temperature of the tube should be at least equal to the ambient temperature.

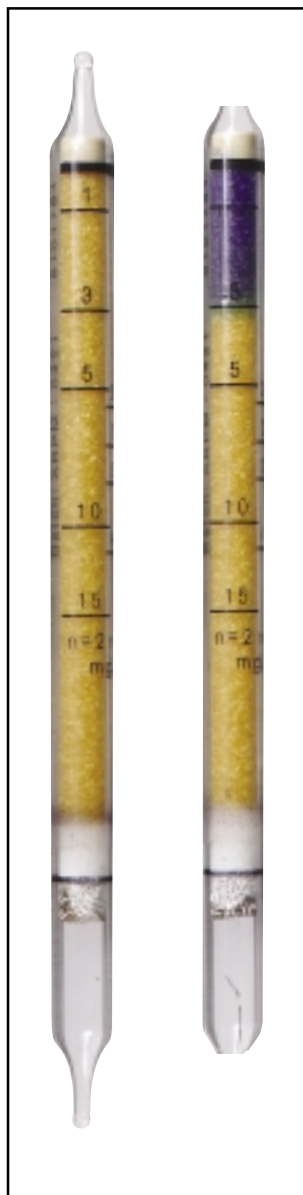
Reaction Principle

$\text{H}_2\text{O} + \text{Mg}(\text{ClO}_4)_2 \rightarrow$ turquoise-blue reaction product

Cross Sensitivity

Acid gases are liable to cause plus errors.

Basic gases are liable to cause minus errors.



SI-207-2001