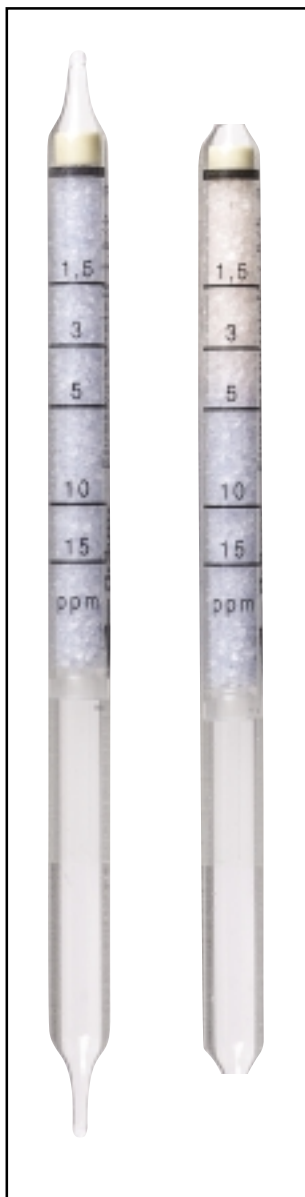


# Hydrogen Fluoride 1.5/b

Order No.  
CH 30301



ST-69/2001

**Standard Measuring Range** : 1.5 to 15 ppm  
**Number of Strokes (n)** : 20  
**Time for Measurement** : app. 2 min  
**Standard Deviation** :  $\pm 15$  to 20 %  
**Colour Change** : pale blue  $\rightarrow$  pale pink

## Ambient Operating Conditions

**Temperature** : 15 to 30 °C  
**Absolute Humidity** : max. 9 mg H<sub>2</sub>O / L

## Reaction Principle

$\text{HF} + \text{Zr}(\text{OH})_4 / \text{Quinalizarin} \rightarrow [\text{ZrF}_6]^{2-} + \text{Quinalizarin}$

## Cross Sensitivity

In the presence of higher humidity (> 9 mg H<sub>2</sub>O / L), hydrogen fluoride mist is generated, which cannot be quantitatively indicated by the detector tube (i.e. the indication is too low).

Other halogenated hydrocarbons in the TLV range do not interfere.