

# Halogenated Hydrocarbons 100/a

Order No. 81 01 601

## Application Range

Standard Measuring Range: 200 to 2,600 ppm R 113/R 114  
 100 to 1,400 ppm R 11  
 The indication is in mm and must be compared to the calibration data sheets.

Number of Strokes n: 3  
 Time for Measurement: approx. 1 min  
 Standard Deviation:  $\pm 30\%$   
 Color Change: blue  $\rightarrow$  yellow to greyish green

## Ambient Operating Conditions

Temperature: 0 to 40 °C  
 Absolute Humidity: 1 to 15 mg H<sub>2</sub>O / L

## Reaction Principle

### For Example:

- a) R113 [pyrolysis]  $\rightarrow$  HCl  
 b) HCl + pH indicator  $\rightarrow$  yellow reaction product

## Cross Sensitivity

Other halogenated hydrocarbons, free halogens and hydrogens halides are also indicated, however, with differing sensitivity.  
 Perchloroethylene is indicated with the same sensitivity as R113.

## Additional Information

The tubes become very warm during the measurement. Therefore, these tubes should not be used in potentially combustible atmospheres. A combustible gas monitor should be used to qualify any questionable area before conducting a measurement with one of these tubes.



ST-189-2001



*Northside Sales, Co.*

Safety & Industrial Products

800-467-9005