

# 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 11 200 to 2,800 ppm R 22
(on request)	1,000 to 4,000 ppm R 134a 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:	± 30 %
Color Change:	blue → yellow to grayish 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] → HCl  
b) HCl + pH Indicator → yellow reaction product

## Cross Sensitivity

Other halogenated hydrocarbons, free halogens and hydrogen halides are indicated.

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.



STF-199-2001