

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 H₂O / 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.



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