Carbon Monoxide 5/c

Order No. CH 25 601

Application Range

Standard Measuring Range: 100 to 700 / 5 to 150 ppm

Number of Strokes n: 1 / 5

Time for Measurement: approx. 50 sec. / approx. 150 sec.

Standard Deviation: ± 10 to 15 %

Color Change: white → brownish-green

Ambient Operating Conditions

Temperature: 0 to 50 °C

Absolute Humidity: max. 50 mg H₂O / L

Reaction Principle

$$5 \text{ CO} + \text{I}_2\text{O}_5 \xrightarrow{\text{H}_2\text{S}_2\text{O}_7} \text{I}_2 + 5 \text{ CO}_2$$

Cross Sensitivity

The following have no influence on the display of 10 ppm CO (respectively):

200 ppm n-octane, with carbon attachment tube (CH 24101) 10000 ppm

30 ppm benzene

100 ppm hydrogen sulphide

50 ppm sulphur dioxide

15 ppm nitrogen dioxide

40 ppm butadiene

10 ppm CO + 100 ppm benzene: display approx. 20 ppm

10 ppm CO + 40 ppm chloroform: display approx. 60 ppm

10 (60) ppm acetylene: display 8 (20) ppm

