Order Code
64 06 420

Phosphine 20 - 500 ppm

Measuring Range : 20 to 500 ppm (20 °C, 50 % r.h.)

Measuring Time :
- approx. 25 s at 500 ppm
- approx. 60 s at 100 ppm
- approx. 220 s at 20 ppm
- approx. 100 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 … 40 °C
Correction of Temperature :
- 0 to 19 °C  ->  not necessary
- 21 to 40 °C -> – 0.8 % /°C
% of measured value over the measurement range.

Humidity : 1 to 30 mg/L (corresp. 2 to 60 % r.h. at 40°C)
Correction of Humidity : not necessary

Air Pressure :
Correction of Air Pressure : 700 to 1100 hPa
not necessary

Accuracy :
- ± 8 % of the measured value over the measurement range,
e.g.
- ± 1.6 ppm at 20 ppm
- ± 40 ppm at 500 ppm

Reproducibility : ± 10 % (Standard Deviation)

Cross Sensitivity
No influence at 20 ppm PH₃ by
≤ 50 ppm methyl bromide.

Measurement with Remote System
Please observe the Instructions for Use of the Remote System.

Flushing Time
For a measurement of 100 ppm phosphine in laboratory conditions, a flushing time of 2 minutes was determined.