Phosphine 0.1/c

Order No. 81 03 711

Application Range

Standard Measuring Range: 0.5 to 3 ppm / 0.1 to 1.0 ppm

Number of Strokes n:

Time for Measurement: approx. 1 min / approx. 2.5 min

Standard Deviation: + 10 to 15 % Color Change: vellow → red

Ambient Operating Conditions

2 to 40 °C Temperature:

Absolute Humidity: < 40 mg H₂O / L

Reaction Principle

 $HgCl_2 + PH_3 \rightarrow Hg$ -phosphide + HCl

HCl + pH-Indicator → red reaction product

Cross Sensitivity

A maximum of 6 ppm sulphur dioxide or 15 ppm hydrogen chloride have no influence on the reasing. Higher concentration result in plus errors. Ammonia (>100 ppm) result in minus errors. Hyrogen sulphide and Arsine are indicated with different sensitivity. 30 ppm hydrocyanic acid does not affect.

