Phosphine 0.1/b in Acetylene

Order No. 81 03 341

Application Range

Standard Measuring Range: 0.1 to 1 ppm / 1 to 15 ppm

Number of Strokes n: 10 / 1

Time for Measurement: approx. 4 min / approx. 20 s

Standard Deviation: ± 15 to 20 %

Color Change: yellow orange → red violet

Ambient Operating Conditions

Temperature: 2 to 40 °C
Absolute Humidity: < 20 mg / L

Reaction Principle

PH₃ + HgCl₂ → Hg-phosphide + HCl

HCI + pH-indicator → red violet reaction product

Cross Sensitivity

Arsin and hydrogen sulfide will be indicated with differing sensitivities.

