

# Phosphine 0.1/c

Order No. 81 03 711

## Application Range

Use in SimultanTest CO<sub>2</sub>

Standard Measuring Range: 0.1 to 1 ppm

Test Volume: 1 L

Flow Rate: 0.2 L / min

Time for Measurement: 5 min

Standard Deviation: ± 10 to 15 %

Color Change: yellow → red

## Ambient Operating Conditions

Temperature: 0 to 50 °C

Absolute Humidity: max 40 mg H<sub>2</sub>O / L

Pressure: The tube may only be used for depressurized compressed air

## Reaction Principle

$$\text{PH}_3 + \text{Au}^{3+} \rightarrow \text{Au (colloidal)}$$

## Cross Sensitivity

Arsine and antimony hydride are indicated, but with different sensitivities. Hydrogen sulfide, mercaptans, ammonia, carbon monoxide, sulfur dioxide and hydrochloric acid in the TLV range do not interfere.

## Evaluation

Scale reading = ppm phosphine

