

# Phosphine 50/a

Catalog No CH21201

**Standard Measuring Range:** 50 to 1,000 ppm  
**Number of Strokes (n):** 3  
**Time for Measurement:** about 2 minutes  
**Standard Deviation:** ± 10 to 15%  
**Color Change:** yellow to brown black

## Ambient Operation Conditions

**Temperature:** 0 to 50°C  
**Absolute Humidity:** < 40 mg H<sub>2</sub>O/L

## Reaction Principle

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

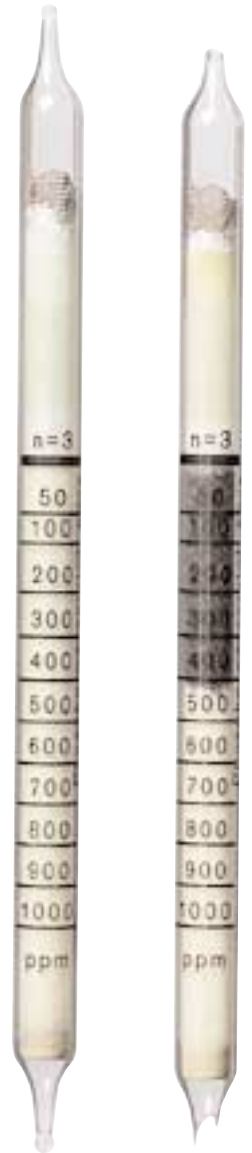
## Cross Sensitivity

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.

## Extension of the Measuring Range

Using n=10, multiply the reading by 0.3; the range of measurement is 15 to 300 ppm.



# Dräger

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