

Order No.  
CH 23101

## Mercury Vapour 0.1/b

**Standard Measuring Range** : 0.05 to 2 mg/m<sup>3</sup>  
**Number of Strokes (n)** : 40 to 1  
**Time for Measurement** : max. 10 min  
**Standard Deviation** : ± 30 %  
**Colour Change** : pale yellow grey → pale orange

### Ambient Operating Conditions

**Temperature** : 0 to 40 °C  
**Absolute Humidity** : < 20 mg H<sub>2</sub>O / L

### Reaction Principle

$\text{Hg} + \text{CuI} \rightarrow \text{Cu-Hg-complex}$

### Cross Sensitivity

Free halogens cause substantial minus errors. It is impossible to measure mercury vapor in the presence of halogens.

Arsine, phosphine, hydrogen sulphide, ammonia, nitrogen dioxide, sulphur dioxide and hydrazine in the TLV range do not interfere.



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