

Mercury Vapor 0.1/b

Order No. CH 23 101

Application Range

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

Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	< 20 mg H ₂ 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 sulfide, ammonia, nitrogen dioxide, sulfur dioxide and hydrazine in the TLV range do not interfere.



ST-382-2008