

Mercury Vapor 0.1/b

Catalog No CH23101

Standard Measuring Range: 0.05 to 2 mg/m³
Number of Strokes (n): 40 to 1
Time for Measurement: about 10 minutes
Standard Deviation: ± 30%
Color Change: pale yellow grey to pale orange

Ambient Operation Conditions

Temperature: 0 to 40°C
Absolute Humidity: < 20 mg H₂O/L

Reaction Principle

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

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.



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