

Carbon Monoxide 8/a

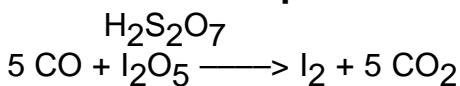
Catalog No CH19701

Standard Measuring Range: 8 to 150 ppm, only for CO in H₂
Number of Strokes (n): 10
Time for Measurement: about 2 minutes
Standard Deviation: ± 10 to 15%
Color Change: white to brown green

Ambient Operation Conditions

Temperature: 0 to 50°C
Absolute Humidity: < 50 mg H₂O/L

Reaction Principle



Cross Sensitivity

Acetylene reacts in the same way as CO, but with a different sensitivity.

Petroleum hydrocarbons, benzene, halogenated hydrocarbons and hydrogen sulfide are retained in the preclean layer. The capacity of the preclean layer may not be sufficient for high concentrations of hydrocarbons and halogenated hydrocarbons. When in question, use a Draeger carbon pretube (CH24101) in front of the CO tube. Practically all gases and vapors that would cause interference with the CO indication (e.g. propane, butane, trichloroethylene, perchloroethylene) are adsorbed by the activated charcoal in the pretube.

Easily cleaved halogenated hydrocarbons (e.g. trichloroethylene), in high concentrations can form chromyl chloride in the preclean layer, which discolors the indicating layer yellowish brown, the carbon pretube can prevent this from happening.

It is impossible to measure CO in the presence of high olefin concentrations.

Additional Information

This particular tube is designed for the measurement of carbon monoxide in hydrogen.

Manufactured by Draeger Safety

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