

Information on carbon monoxide (CO)

Limit value

	Averaging period	Limit value
Limit value for the protection of human health	Maximum daily 8-hour mean	10 mg/m ³

The volume must be standardised at a temperature of 293 K and an atmospheric pressure of 101,3 kPa.

Upper and lower assessment thresholds

	8-hour average
Upper assessment threshold	7 mg/m ³
Lower assessment threshold	5 mg/m ³

Data quality objectives

Data collection	Data quality objective
<i>Fixed measurements</i>	
Uncertainty	15 %
Minimum data capture	90 %
<i>Indicative measurements</i>	
Uncertainty	25 %
Minimum data capture	90 %
Minimum time coverage	14 % (One day's measurement a week at random, evenly distributed over the year, or eight weeks evenly distributed over the year.)
<i>Modelling</i>	
Uncertainty	
8-hour averages	50 %
<i>Objective estimation</i>	
Uncertainty	75 %

Reference method for the sampling/analysis of carbon monoxide

The reference method for the measurement of carbon monoxide is that described in EN 14626:2005 “Ambient air quality — Standard method for the measurement of the concentration of carbon monoxide by non-dispersive infrared Spectroscopy”.

Legal basis

- Directive 2008/50/EC of 21 May 2008 on ambient air quality and cleaner air for Europe (OJ EC. L 152/1)
- 39th Ordinance Implementing the Federal Immission Control Act (Ordinance on Air Quality Standards and Emission Ceilings - 39. BImSchV)