

1.0 Scope and Application

1.1 Analytes.

Analytes	CAS No.
Carbon Dioxide (CO ₂)	124-38-9
Oxygen (O ₂)	7782-44-7

1.2 Applicability.

1.2.1 This specification is for evaluating acceptability of O₂ and CO₂ continuous emission monitoring systems (CEMS) at the time of installation or soon after and whenever specified in an applicable subpart of the regulations. This specification applies to O₂ or CO₂ monitors that are not included under Performance Specification 2 (PS 2).

1.2.2 This specification is not designed to evaluate the installed CEMS performance over an extended period of time, nor does it identify specific calibration techniques and other auxiliary procedures to assess the CEMS performance. The source owner or operator, is responsible to calibrate, maintain, and operate the CEMS properly. The Administrator may require, under section 114 of the Act, the operator to conduct CEMS performance evaluations at other times besides the initial test to evaluate the CEMS performance. See [40 CFR part 60](#), section 60.13(c).

1.2.3 The definitions, installation and measurement location specifications, calculations and data analysis, and references are the same as in PS 2, sections 3, 8.1, 12, and 17, respectively, and also apply to O₂ and CO₂ CEMS under this specification. The performance and equipment specifications and the relative accuracy (RA) test procedures for O₂ and CO₂ CEMS do not differ from those for SO₂ and NO_x CEMS (see PS 2), except as noted below.