

Question 9.15

Topic: Linearity Check for Dual Range Analyzer

Question: Our unit has a dual range analyzer but we only used the low range this quarter. Must we do a linearity test on the high range of the analyzer even though we didn't use that range?

Answer: Not necessarily. A linearity check is only required on the range used during the quarter. Note however that there is an upper limit of four calendar quarters between linearities at each range, so even if one range was not used at all, a linearity check must be conducted on that range at least once every four quarters (see Appendix B, Section 2.2.3(f)). Also note that for SO₂ and NO_x, Part 75 provides an option for using a default high range value, in lieu of operating, maintaining and calibrating a high monitor range (see Appendix A, Sections 2.1.1.4(f) and 2.1.2.4(e)).

References: Appendix A, Sections 2.1.1.4(f) and 2.1.2.4(e); Appendix B, Section 2.2.3(f)

History: First published in October 1999 Revised Manual; revised in October 2003 Revised Manual; revised in 2013 Manual