

Question 19.13

Topic: System Response Time and RM Backup Monitoring

Question: What is meant by the "system response time" of a Part 75 RM backup gas monitoring system?

Answer: The system response time is the time required for the RM analyzer to give a stabilized reading, in response to step changes in calibration gas concentrations during the pre-test system calibration error tests (for dilution systems) or during the pre-test system bias checks (for dry-extractive systems).

Specifically, the system response time is the time needed for the measurement system to display 95 percent of a step change in gas concentration on the data recorder. Round off the system response time to the nearest minute.

References: § 75.20(d)(3); Method 7E, Sections 8.2.5 and 8.2.6

History: First published in March 1995, Update #5; revised in 2013 Manual