

Open Bid Specification

Continuous PM-10 Monitor

1. Warranty - Minimum 2 years.
2. Must be EPA-designated Equivalent Method when used in the PM-10 configuration. It must be listed on the "List of Designated Reference and Equivalent Methods, June 27, 2013" in the "Particulate Matter - PM10" section as an "Automated Equivalent Method" .
3. Must be able to use either the tetraCal® (BGI, (781) 891-9380) or Streamline Pro" MultiCal™ System (Chinook Engineering, (307) 674-7506) flow transfer standard for flow, temperature, and pressure audits and/ or calibrations. Other items needed to audit and/ or calibrate the instrument must be included
4. Must contain password protection to restrict access to instrument functions.
5. Must have digital (RS232) output capabilities compatible with the "Envidas for Windows" Datalogger produced by DR DAS in Austin, TIC
6. Must be capable of collecting 5-minute and hourly averages of PM-10 concentrations when used with a "Envidas for Windows" Datalogger
7. Must be capable of realtime data collection, storage, and transmission. Must be capable of RS-232 communications with PC and/ or printer.
8. Must have a minimum precision of $\pm 1.5 \mu\text{g}/\text{m}^3$ for 1-hour averages.
9. Must be capable of sending diagnostic readings to the datalogger (such as flow and internal temperature, etc) as needed to ensure correct operation and that valid data is being collected.
10. Must include operations and service manual in electronic format (either Adobe Acrobat or Microsoft Word documents).
11. Must include all necessary mounting & installation hardware needed to operate in a 8'x10' portable containerized building using a 2" diameter hole in the roof. Secure mounting to a flat roof is required. Building specifications, pictures available upon request.