PM 2.5 MONITOR

**Manual sequential 2.5 micron particulate matter ambient air quality sampler.**

**Specifications:**

- Must have designation as an EPA reference method.
- Must be able to be located outdoors without additional protection.
- Must have a volumetric flow control system that maintains a constant flow rate of 16.7 liters per minute.
- Must utilize filter cassette magazines capable of holding at least ten 47 millimeter filter cassettes prior to and after sampling.
- Must accommodate 47 millimeter filters.
- Must utilize a pneumatic system for filter exchange.
- Must store temperature data for minimum, maximum and average temperature.
- Must store pressure data for minimum, maximum and average pressure.
- Must support RPCOMM communication for data retrieval.
- Must have automatic analog input/output calibration capability.
- Must have microprocessor controlled compartment ventilation.
- Must have an RS232 interface that allows for bi-directional information exchange with a portable computer or palmtop computer, including data retrieval and remote operation.
- Must support advanced bi-directional AK Protocol.
- Must have 3 user-defined analog outputs (0-5 VDC) for data logging.
- Must have embedded and menu-driven software for stored data retrieval, performance audits and data entry.
- Must have back up battery for data retention.
- Must operate at temperatures from -30 to +50 °Centigrade.
- Power Requirements: must utilize 120 VAC.
- Must have direct software support for single-point and multi-point audits and/or calibrations of the volumetric flow rate using a volumetric flow meter.
- Must have software support for the use of the Streamline™ FTS Flow Transfer Standard for flow audits and calibrations.
- Must include an Operating manual and a Service manual.
- Must be covered by a manufacturer's warranty for at least 1 year.