



SERRAX TECHNOLOGIES

An ISO 9001 : 2015 Certified Company

PRODUCT CATELOG



A Leading
Manufacturer
and Supplier of
Air Quality
Monitoring, Gas
Monitoring, and
Industrial
Process
Measurement
Instruments.

PM2.5+10 Particulate SAMPLER (APM559 DICHOTOMOUS)



Key Features

- USEPA-standard PM10 Impactor with separate filters for PM10 & PM2.5 monitoring
- Virtual Impactor for coarse particle collection; microprocessor-based MFC ensures 16.7 LPM flow
- Datalogger records temperature, pressure, flow rate & sample volume at 5-min intervals (4GB memory)
- Programmable start/stop with USB data transfer for easy field recovery
- Brushless, oil-free pump with minimal maintenance

The APM559MFC dichotomous sampler is a 47mm diameter dual filter sampler for the simultaneous collection of the coarse (PM10) and fine (PM2.5) particles in the PM10 pass through the PM10 Inlet of the sampler.

The APM559 MFC contains a virtual impactor for separating the coarse and fine particles.

A mass flow Controller automatically maintain 16.7 LPM volumetric flow rate through the PM 10 Inlet assembly.

10% (1.7 LPM) flow directed through the Coarse (PM10) Sample filter and a 90% (15 LPM) flow through the fine (2.5) particle sample filter.

Product Specification

PM2.5 Particulate SAMPLER (APM559 DICHOTOMOUS)

Size Selection Inlet Sampling	PM10 Impactor Inlet assembly.
Flow Control & Reporting	Air flow through the sampler is provided by oil less low maintenance vacuum pump. APM559MFC active flow control system using mass flow sensor and constant volumetric control a flow rate of 16.7 LPM.
Temperature and Pressure Compensation	The mass flow controller has the provision to active or deactivate the temperature and pressure compensation by the user.
Measurement and Control	The style continuously measured an ambient temperature, filter temperature, filter pressure, Barometric pressure and flow rate.
Data Logger and Storage	Data logger with 40x4 character display logged and display the ambient temperature, filter temperature filter pressure, barometric pressure, instantaneous and average flow rate, sampler start time total run time, and total volume.
Logging Internal and Data Transfer	The logging interval can be selected (1-60 minutes) by the user. the sampler has the provision to choose a start and stop data and time to run automatically sampling. the stored data can be transferred into a Pen drive directly into excel
Filter Holder Media	Accommodates 47mm diameter filter.
Operation Mode	Manual and Auto (automatically manage the shut down according to the start and stop time of the sampler)
Alarm and Indicator	User defined low flow and high filter pressure alarm.
Leak Check	A leak check assembly provided with the sampler.
Power Requirements	1.5A@ 240VAC
Dimensions & Weight	W(), H (), D () without inlet, weight (35kg)

Our Customers







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