

PM 2.5 PM 10 SAMPLER

MODEL No.: ITS-PM 2.5/10 FDS (Electronic/Manual Both)

PM 2.5 sampler is a advanced sampler for the measurement of particulate matter less than 2.5 micron size i.e. PM 2.5. This Sampler can also be used for the measurement of particulate matter less than 10 micron size i.e. PM 10 in the ambient air. PM 2.5 sampler is designed to meet with EPA reference method and guidelines for PM 2.5.

PM 2.5 consists of specially designed inlet. PM 10 size particulate matter separator, WINS impactor and filter holder for 47mm diameter filter paper, electronic flow controller, flow measurement system, and vacuum pump.



Features :

- * Manufactured as per USEPA design
- * Brushless vacuum pump with less noise
- * Including gaseous assembly
- * Compact design for field operation
- * Same instrument can be used for PM 10 and PM 2.5 sampling

Specifications :

Particle Size : Omni-directional air inlet with PM 10 separation through an impactor followed by PM 2.5 separation through a WINS Impactor.

Sampling Flow rate Measurement : Flow rate is inferred from the inlet air pressure, its temperature and differential pressure across an orifice and corrected for an actual operating conditions.

Flow Control system and element : Electronic and flow proportioning valve

Accuracy of Control : Better than +/- 2% over 24 hours @ 16.7 LPM

Volume measurement : Units : M3 Resolution : 0.01M3 Totalisation and updating periodicity : seconds from above flow rate.

Display : 32 Character Alphanumeric LCD module

Electronic time totaliser and programmable electronic timer

Computations, recording, reporting and display : Averaging : every 5 minutes Reorting : 5 minutes average.

Filter media : Suitable for 47mm dia. PTFE, Nylon, Glass Fiber and Quartz Fiber Filters.

Power Requirement : 230 V AC + 10%, 50Hz, (110 V, 60 Hz Optional)

Filter Temperature Measurement : Range & Resolution : 5°C to 50°C with a resolution of 0.1°C

Data Transfer Port : RS-232 serial port for data transfer to PC or memory module.

Vacuum Pump : A diaphragm type pump with AC motor.

ISO - TECH SYSTEM

(An ISO 9001:2015 Company)

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