

COMBINED PM10 & PM2.5 SAMPLER LATA ENVIROTECH MODEL APM 250



As per recent Air quality standard published by Govt. of India where measurement of PM 2.5 dusts has been made mandatory besides other parameters for defining the quality of ambient air. An impactor based PM 2.5 sampler has been manufactured by Lata Envirotech Services which is meet requirements of PM10 & PM 2.5 sampling using APM 250. PM 10 & PM 2.5 concentration in ambient air can be measured by using this sampler simultaneously.

APM 250 fitted with brushless and noiseless pump assembly where sampling rates of 1m³/hr is maintained constant with the help of orifice.

This sampler is suitable for PM 10 & PM 2.5 monitoring simultaneously both the parameter can be monitored at a time.

Advantages:

1. This sampler suitable for measurement of PM10 and PM2.5 simultaneously
 2. PM10 & PM 2.5 Impactors of sampler are based on designs standardized by USEPA
 3. Critical orifice maintains constant sampling rate of 1m³/hr.
 4. Sampler can run continuously for 28 hrs monitoring.
1. Pump assembly brushless and noiseless motor with low maintenance.
 2. Calibration Certificate for each instrument shall be provided with instruments

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 rate:	Constant sampling rate of 1m ³ /hr unaffected by voltage fluctuation and filter choking maintained by critical orifice system.
Filter Media:	Filter holder designed to accept any standard 47 mm diameter filter media.
Sample Volume:	Fitting 2Nos. of Dry Gas meter records the total air volume sampled for PM10 & PM2.5.
Power Requirement	Single phase AC 220 Volts, 50 Hertz supply. Sampler unaffected by +/- 10% fluctuation in supply voltage
Weight	35 Kg approx.

 **LATA ENVIROTECH SERVICES**

(AN ISO 9001:2008 CERTIFIED COMPANY)

A CENTRE FOR SALE, SERVICING AND CALIBRATION OF AIR POLLUTION MONITORING SYSTEMS & ENVIRONMENTAL CONSULTANCY

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