



# APM 550Mini



## APPLICATION

APM 550mini is a compact and robust instrument for monitoring PM<sub>2.5</sub> in ambient air that has been designed for the users who have to frequently move the instrument from one location to another.

## WORKING PRINCIPAL

The PM<sub>10</sub> and PM<sub>2.5</sub> impactors used in the APM550mini are based on designs standardized by USEPA and as such the system complies with international norms for PM<sub>2.5</sub> samplers. Ambient air enters the APM 550mini sampler through an omnidirectional inlet designed to provide a clear aerodynamic cut-point for particles larger than 10 microns. The stream then passes through a wins impactor that retains the fraction between PM<sub>10</sub> and PM<sub>2.5</sub>. The sampling rate is held constant at 1m<sup>3</sup> /hr by a critical orifice. A special light weight oil free pump has been used in the instrument and adequate cooling air draft has been provided to ensure that the operating temperature near the filter holder remains close to ambient temperature. Sampling rate is continuously displayed on a built-in rotameter while the duration of sample is available through a time totalizer.

## Features

- PM<sub>10</sub> and PM<sub>2.5</sub> impactors as per designs standardized by USEPA.
- Brushless, Oil-free, light weight pump practically requires no maintenance.
- Filter holder designed for any 47mm diameter filter media.
- Provision to attach gaseous sampler.
- Compact cabinet design easy portability.

## NEED

APM550 mini is especially designed for the users who often move sampler from one place to other and look for a cost effective instrument. Its compact design is very suitable for frequent field monitoring work.



## APM 550Mini



### SPECIFICATIONS

Flow Rate	1 m <sup>3</sup> /hr controlled by critical orifice and displayed on a rotameter requires no maintenance.
Size selective Inlets	PM <sub>10</sub> impactor and wins impactor for PM <sub>2.5</sub> conforms to USEPA design.
Vaccum Pump	Oil Free,Light Weight Pump Driven by Brushless induction motor.
Time Totalizer	Records The actual time duration of each sample.
Provision to attach Gaseous sampler	The APM 550mini has an in-built valve and piping for use of a gaseous sampling attachment for monitoring SO <sub>2</sub> ,NO <sub>x</sub> ,NH <sub>3</sub> ,Ozone etc.
Flow Rate	1 m <sup>3</sup> /hr controlled by critical orifice and displayed on a rotameter requires no maintenance.
Compact & Light	Single unit compact cabinet made of aluminum is light and robust.
Leak Check	Leak Check & flow rate measurement adapter

**1**  
**Year**  
**Warranty**

\*Specifications are subject to change without any prior notification

To Facilitate sampling of gaseous pollutants provision has been made to attach the apm 411/411te gaseous sampling attachment with the main sampler.



For More Information Contact

**Envirotech Instruments Pvt. Ltd.**

A-271, Okhla Industrial Area, Phase – 1,  
New Delhi – 110020, India



+91-011-41026749  
+91-9810038803



sales@envirotechindia.com  
sales.envirotech@gmail.com



www.envirotechindia.com