



APM 460BL



NEED OF MONITORING

PM 10 can penetrate respiratory tract through mouth and nose, and can easily enter into the lungs and can lead to illness such as extreme asthma attacks, bronchitis, and lung diseases. Also, it may impact vegetation and be a general nuisance. India adopted monitoring of PM10 as part of the Ambient Air Quality network in 1994.

APPLICATION

The APM 460 BL is used for routine monitoring of PM 10 in the ambient air. This model has been made more user-friendly by providing a lighting arrangement for night operation, tool box within the instrument, softer handles, and lockable top-cover. The cabinet design has been improved to prevent entry of rain water and dust into the machine. By using the APM 460 BL, measurement of Respirable Particulate Matter can be done accurately and TSPM can also be assessed by collection of dust retained in the cyclone cup.

WORKING PRINCIPAL

The APM 460 BL sampler uses an improved cyclone with sharper cutoff (D50 at 10 microns) to separate the coarser particulates from the air stream before filtering it on the glass microfibre filter (CSIR NEERI knowhow).

The APM 460BL uses a brushless, continuous rated induction motor driven blower to significantly reduce equipment downtime, maintenance efforts and inconvenience to community. The brushless blower of the APM 460BL also substantially reduces the audible noise.

FEATURES

- Brushless blower reduces equipment downtime and maintenance effort.
- Significantly reduced Noise
- Electromagnetic Interference (EMI) to TVs totally eliminated.
- Provision of light for flow and time reading during night
- Toolbox within the instrument
- Lockable casters for field convenience.
- Lockable Top cover and Gaseous attachment
- Improved cabinet design which is more sturdy and durable with SS hardware



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SPECIFICATIONS

Flow Rate	0.9 – 1.4 m ³ /min free flow
Particle Size	Particles of 10 microns & below collected on Filter Paper holder. SPM bigger than 10 microns collected in a separate sampling bottle under the cyclone
Sampling Time	28 hours (maximum)
Sampling Time Record	0 to 9999.99 hrs recorded on a Time Totalizer
Automatic Sampling	24 hrs programmable timer to automatically shut off the system after pre set time interval.
Stabilizer	Voltage stabilizer to compensate voltage fluctuations
Power Requirement	Nominal 220 V (+/- 10), Single Phase, 50Hz AC mains supply
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Size & Weight	430 x 320 x 930 mm, 45Kg

To facilitate sampling of gaseous pollutants, provision has been made to attach the APM 411/ 411TE gaseous sampling attachment with the main sampler

1
Year
Warranty

*Specifications are subject to change without any prior notification



For More Information Contact

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