



## APM 460NL

### NEED

Many of our customers indicated that high noise level of the sampler is one of the main bottleneck to use it in and around hospitals, libraries and other sensitive areas. To meet this specific requirement Envirotech introduced a new model APM 460NL which uses a noiseless motor and blower assembly. This instrument does not produce any unpleasant sound and is very suitable for monitoring in sensitive areas.

## APPLICATION

The APM 460 NL is used for monitoring  $PM_{10}$  in the ambient air in Eco-Sensitive Areas. The special design of the blower impeller and acoustic material used in the blower ensures that it does not produce any unpleasant noise while in operation. Thus the machine can be operated even in silent areas like a library, hospitals, wild life sanctuary and in other noise sensitive areas including residential areas.

## WORKING PRINCIPAL

The APM 460 NL sampler uses an improved cyclone (with sharper cutoff) to separate the coarser particles ( $>10$  microns) from the air stream before filtering it on the 0.5 micron pore-size filter allowing a measurement of both TSP and Respirable fraction of Suspended Particulate Matter (CSIR-NEERI). Cyclone design as per CSIR-NEERI knowhow.

Additional advantage with this blower is very low variation in flow rate in 190-230V input power supply range and due to brushless motor, equipment downtime and maintenance efforts are also considerably reduced.



# APM 460NL



## FEATURES

- Almost noiseless as compared to earlier instruments.
- Brushless blower reduces equipment downtime and maintenance effort.
- Electro Magnetic Interface (EMI) interference has been totally eliminated.

## SPECIFICATION

Flow Rate	0.9 – 1.4 m <sup>3</sup> /min free flow
Particle Size	Particles of 10 microns & below collected on Filter Paper SPM bigger than 10 microns is 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.
Power Requirement	Nominal 220 V, Single Phase, 50Hz AC mains supply
Size & Weight	430 x 320 x 930 mm, 45Kg

# 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