

## SEMI AUTOMATIC FINE PARTICULATE SAMPLER MODEL NO SL -EE -035, MAKE - LABTEK, ORIGIN - INDIA



Ambient Air Sampler," Electronic model, for 24-hour continuous sample periods, has been designed in accordance with the requirements specified in 40 CFR Part 50, Appendix L. has been evaluated in different environmental conditions. Suspended particulate matter in the PM 2.5 size range is separated for collection on a PTFE filter over the specified sampling period. The total volume of air sampled is determined by the sampler from the measured flow rate at actual ambient temperature and pressure and the sampling time. The mass concentration is computed as the total mass of collected particles in the PM2.5 size range divided by the actual volume of air sampled, and is expressed as  $g/m^3$ . Data is stored on a Data Logger. The Data logger writes this data on a Pen Drive which can be later transferred to a computer in an Excel Sheet. The Flow Control is achieved by an Electronic Controller with very precise control over flow rate.