

## FINE DUST SAMPLER

### MODEL SSES-FDS-004

According to new guidelines for Air quality monitoring, where measurement of PM 2.5 is mandatory besides other parameters for defining the quality of ambient air. An impactor based PM 2.5 sampler has been manufactured by Soniya Scientific Equipment Solutions (SSES-FDS-004) which meets requirements of measurement of PM10 & PM 2.5.

#### **Advantages:**

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



### **Soniya Scientific Equipment Solutions Pvt. Ltd.**

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## **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 <sup>3</sup> /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.
Power Requirement	:	Single phase AC 220 Volts, 50 Hertz supply. Sampler unaffected by +/- 10% fluctuation in supply voltage.
Weight	:	35 Kg approx.



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