

COMBO FINE DUST SAMPLER

MODEL SSES-CFDS-005

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-CFDS-005) which meets requirements of measurement of PM10 & PM 2.5.

SSES-CFDS-005 fitted with brushless and noiseless pump assembly where sampling rates of 1m³/hr is maintained constant with the help of orifice.

This sampler is suitable for PM 10 & PM 2.5 monitoring simultaneously, means both the parameter can be sampled at a time.

Advantages:

1. This sampler suitable for measurement of PM10 and PM2.5 **SIMULTANEOUSLY**.
2. PM10 & PM 2.5 Impactors of sampler are based on designs standardized by USEPA.
3. Critical orifice maintains constant sampling rate of 1m³/hr.
4. Sampler can run continuously for 28 hrs monitoring.
5. Pump assembly brushless and noiseless motor with low maintenance.
6. Calibration Certificate for each instrument shall be provided with instruments.



Soniya Scientific Equipment Solutions Pvt. Ltd.

Plot No. 8A/4, Geeta Vihar, Matharmaukala, Sultanpur Road, Lucknow, Uttar Pradesh, India, 226002

Contact: +91-9685078200 || **Email:** info@soniyascientific.com || **Website:** www.soniyascientific.com

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 ³ /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.
Sample Volume	:	Fitting 2Nos. of Dry Gas meter records the total air volume sampled for PM10 & PM2.5
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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