

High Volume Sampler SLE-HVS123



Special Features

- ☆ **Brushless Blower.**
- ☆ **Low running cost.**
- ☆ **Low noise operation.**
- ☆ **Controlled flow.**
- ☆ **Light Weight & Small in Size.**
- ☆ **Drain plug for manometer.**

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INTRODUCTION

Suspended Particles upto 100 microns have emerged as the most critical among all the criteria air pollutants & is caused by number of sources like:-

- Large, medium & small-scale industries
- Road dust construction activities, house hold fuel cooking, waste burning, vehicular emissions etc.

In order to control the pollution, it is necessary to periodically monitor the air to determine the extent of pollution and to identify the source of emission SLE-HUS123 is designed to meet these needs. This model confirm to guidelines of Central Pollution Control Board.

TECHNICAL SPECIFICATION

SLE-HVS123

Flow rate	: 0.8 to 1.8 m ³ /min
Particle Size	: Down to 1.6 micron depending upon Filter used
Blower	: Continuous duty blower with brushless motor
Recommended filter	: GF/A (8" X 10") for common use, EPM 2000 for Special Research or equivalent
Time Record	: 0 to 99999.99 hrs. Time totalizer records the running time in hours
Timer	: 24 Hr programmable timer, number of required intervals can be programmed
Power requirement	: 220 Volts, Single phase AC

Gaseous Attachment (Optional)

Flow rate	: 0-3 lpm measured using plastic body flow meter with 2% FSD accuracy
Sampling Train	: Four inlet and one outlet manifold with built in Needle Valves for flow control of each inlet
Absorbers	: 4 Nos. Of 35 ml Borosilicate glass impingers

Due to Continual improvement Specifications are subject to change without prior notice.

Warranty:- All SPECTRO products carry a one year Warranty against any manufacturing defects.

Our other Environmental Products

- Respirable Dust Samplers
- Stack Samplers
- Indoor Air Quality Mointor
- Direct Reading instruments for Ambient / stack
- Online instruments for Ambient / stack

PRINCIPLE

The high volume air sampler collects suspended particulates on large filter paper. The name high volume is appropriate because the sampling flow rate has a high level of 20 to 60 standard cubic feet per minute (SCFM). Because of the high flow rate, large quantities of particles ranging from 0.1 to 1 gram are collected over a typical 24-hour sampling period. This facilitates gravimetric and chemical analysis and is the advantage hi vol samplers have over other air sampling methods.

GASEOUS ATTACHMENT (Optional)

Air is passed through suitable reagents which absorbs specific gaseous pollutant like SO₂, NO_x, HF, Cl, H₂S, NH₃ etc. These are analysed subsequently by simpler wet chemistry method to determine the concentrations of specific pollutants.



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