

# High Volume Air Sampler (ESPS-HV)

The High Volume Air Sampler provides a flexible platform for sampling organic compounds and monitoring basic meteorological parameters. Microprocessor controlled and featuring internal data logging for storage of flow and meteorological parameters, This Device incorporates electronic volumetric flow control and advanced programming functions. This device is a proven, reliable and durable air sampler.



## Specifications

**Operation:** Microprocessor

**Pump/Motor:** Side channel blower driven by an asynchronous squirrel cage motor

**Flow controller:** Variable frequency drive

**Volumetric flow range:** Nominal 45-60 m<sup>3</sup>/hr

**Vacuum capability:** 140 mBar max

**Flow accuracy:** Better than + 1m<sup>3</sup>/hr

**Flow repeatability:** + 1% of reading

**PUF/XAD Construction:** Anodised aluminium and Stainless steel

**Construction:** Anodised aluminium cabinet with SS fasteners

**Dimensions:** 380mm (W) x 380mm (D) x 1200mm (H) plus inlet dimensions

**Weight:** 45kg plus inlet weight

**Temperature**

**Operating voltage:** 200-240V + 10% 50/60 Hz (std)

**Running current:** 4A nominal (depending on filter loading & flow rate)

## Features

- Sampling at PM<sub>2.5</sub>, PM<sub>10</sub> is available.
- Advanced active volumetric flow control system.
- Multiple time based sampling programs.
- Sampler setup graphical displayer and keypad.
- Simple programming of sampling periods
- Ultra-efficient, long life blower motor.
- Automatic supply voltage monitoring and shut-down facility prevents damage to instrument.
- Durable Weather-proof marine quality anodized aluminium cabinet.

+98 2166476140, +98 2166476132  
+98 912 957 1173

[www.fanpaya.com](http://www.fanpaya.com)

[info@fanpaya.com](mailto:info@fanpaya.com)

No. 49, Vesal Shirazi Street, Tehran, IRAN