

Particulate Sampler MicroPNS Type HVS1



MicroPNS HVS1
with outdoor housing and PM 10
sampling head according EN 12341

The microcomputer controlled air sampler, MicroPNS Type HVS1 , is a system for the automatic collection of particles on filters.

The modular system is furnished with an internal brushless blower for volume flow rates of up to 68m³/h.

Automatic collection of 1 membranes.

Gas flows are regulated via mass flow controllers, which are controlled by the built-in microcomputer and electronic of MicroPNS..

Different sampling heads for PM₁₀, PM_{2,5} or TSP are offered as an accessory.

PM 10 specifications are in accordance with EN 12341.

- Brushless Blower
- Microcomputer computes the physically correct volume
- Time or volume controlled sampling
- Real time clock
- Non-volatile memory

Particulate Sampler MicroPNS HVS 1

With the MicroPNS HVS1 you can preset a sampling for a variable volume during an unrestricted period of time or a sampling over a preset period with a constant gas flow.

The internal microcomputer computes the physically correct volume and shows different status messages and the actual volume on a display. All parameters and all data are stored and can be output to the display, RS 232 or an optional printer. The system is available in an outdoor cabinet with robust powder coated steel housing. The brushless blower guarantees long life time without maintenance.

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Particulate Sampler MicroPNS HVS1



MicroPNS control unit

The MicroPNS particulate sampler guarantees an exact sampling in accordance with VDI and EN standards (Association of German Engineers) and can be employed in the area of emissions, immissions, testing for waste disposal sites, MAK value monitoring (maximum admissible concentration), as well as being applicable to many other industries and fields. The mechanical execution depends on the application and. A variety of different sampling heads, in accordance to EN 12341, and outdoor housing are offered optionally.

Specifications

Sampling	independent, microcomputer controlled sampling on particulate filters,
Sample filters	1 sampling filter , 20x25cm (8x10´)
Sampling control	constant flow or constant volume
Flow controll	mass flow controlled
Flow range	up to 100m ³ /h
Power supply	220V/50Hz
Automatic Sequencer	unattended automatic operation; user enters time and date for beginning and stop, volume, and flow rate for each sampling event; If flow rate falls outside these limits, the sampling will stop and indicate that these sampling was not valid
Flow Limits	The user can set flow limits as a range of percent difference from the expected value
Data storage	all data are stored in a non-volatile memory
Mechanical	19" rack mounted or outdoor housing, painted steel
Outputs	RS 232
Dimensions	400x600x1800mm (LxWxH) without probe
Weight	approx. 78kg