

Sequential Particulate Sampler MicroPNS Type LVS16-Split According EN 12341:2014



Control-Pump Unit



Filter Changer Unit

Highlights

- Up to 18 filters, 47mm
- Microcomputer calculates the physically correct flows
- Time or volume controlled sampling
- Internal memory
- Easy calibration of all temperature and pressure sensors
- Leak test function
- Sheath air for sampling line
- 2 Insulated outdoor housings

Description

The microcomputer controlled air sampler, MicroPNS Type LVS16 -Split, is a system for the automatic collection of particles on filters, which is delivered in two parts.

The system is split into two parts: Part 1 is furnished with an internal pump for volume flow rates of up to 2,3m³/h and control electronic. Part 2 consists of the filter changer with up to 18 membranes with diameter 47 mm. Gas flow is regulated via flow controller, which is controlled by the built-in microcomputer and electronic of MicroPNS. The system has an orifice plate and differential pressure measurement with temperature and pressure compensation.

Different sampling heads for PM₁₀, PM_{2,5}, PM₁ or TSP are offered as an accessory.

Different temperature and pressure sensors integrated. Sheath air for sampling line avoid condensation. All sampler specifications are in accordance with EN 12341:2014.

With the MicroPNS LVS16-Split 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. Depending on the setup of the unit, up to 18 membranes can be collected.

The collection is performed sequentially and starts in each case on a preset date and time. 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 USB stick. Optional an alarm module for messaging via SMS, or a software for remote control via internet is available.

Peltier cooler for cooling the sampled filters < 23°C. Sheath air for conditioning of the sample line. Temperature sensor for active filter. The system is available in an outdoor cabinet or as 19" version for mounting in a measuring station.

