Immission Line 2.010.01

Sequential Station for Particulate Matter

Skypost PM HV

TÜV Approved

Main Characteristics

- **Certified by TÜV in accordance with EN12341 and DM60 norms**
- Main applications:
  - Total particulate matter
  - PM10, PM2.5, PM1 fractions
  - Heavy metals
- 16 filter capacity
- Electronic flow rate control
- Measuring sensors for:
  - Atmospheric pressure
  - Pressure drop on filter
  - Ambient temperature
  - Dry gas meter temperature
- Volumetric measurement with dry gas meter within ±2% precision
- Sampling probe ventilation system, to guarantee a differential temperature between the filter and the sample inlet of maximum 5° C, in accordance with **EN14907**
- Sample conditioning signal for:
- wind direction and velocity *
- external signal * (i.e. rain)
- RS232 interface
- Built-in printer
- Remote control with dedicated software

Acquisition software and remote control

Skypost PM HV is an automatic outdoor station for continuous atmospheric particulate monitoring using the sampling method on 47mm diameter filter membrane.
The sequential substitution system of the filtering membrane with 16 membranes capacity and the electronic flow rate controller, allow continuous, unattended operations as well as an easy replacement of the exposed filters **without interrupting the sampling**.

Skypost PM HV has up to 50 l/min flow rate capacity and is suitable for dust sampling with LVS PM10 2.3 m^3/h sampling head, according to EN 12341 norm and LVS PM2.5 2.3 m^3/h sampling head, according to EN14907 norm.
The modularity of the sampling head allows to use the USEPA 40, CFR Part 50 sampling head as well.

The completely straight suction tube with its round shape and the separation of the storage filter zone from internal and radiant source of heat, allow to collect and keep the integrity of the pollutants.

A ventilation and differential thermoregulated heating system allows the instrument to operate even in extreme ambient conditions.

* Optional features

Technical Characteristics

Flow rate range	10 - 50 l/min
Pump type	Rotary vane 6m^3/h
Power supply	220 V 50 Hz
Dimensions (b x b x h)	450 x 510 x 610 mm
Weight	42 kg
Instrument P/N	AA99-014-0030SP
Telescopic tripod	AA99-013-9906SP
GSM modem for remote control (with RS-232 abilitation)	AA99-014-9910SP
RS-232 abilitation for PC program	AA99-014-9911SP

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UNI EN ISO 9001