



Atmospheric Particulate Matter Sampler



Main Characteristics:

- In accordance with **EN12341 and DM60 norms**
- Autonomous sampling with maximum 2 sequential samples*.
- Electronically controlled flow rate sampling at standard and actual conditions
- Wide graphical display with background illumination, dedicated keyboard, RS232 interface
- Permanent date and hour programming
- Sampling time with 1" resolution is selectable from 1' to 168 h
- Measured and memorized parameters:
flow rate, totalized volumes, ambient temperature, ambient pressure, filter load
- Memorization of more than 60 sampling reports
- Memorization of flow sampling of 5 minutes interval
- Reduced dimensions and weight light alloy cabin, suitable for outside installation
- Remote control via GSM SMS (*)
- Sample conditioning in relation to wind speed and direction (*)

ECHO PM is a "stand alone" instrument projected also for outdoor operation in harsh climatic conditions.

The wide regulation range and the accurate electronic flow sampling control at either actual or standard conditions, makes ECHO PM in accordance with the reference methods EN 12341 for PM 10 with head LVS PM10 2.3 m³/h, and US EPA 40 CFR part 50 for PM10 and PM2.5 at 1m³/h.

Developed and realized to allow the maximum utilizing flexibility, the ECHO PM satisfies the hardware and software requests that permits up to 2 sequential sampling lines*.



Supplied with respective sampling head ECHO PM can be utilized respecting the "ISO/CD 16362 for the determination of polycyclic aromatic hydrocarbon PAHs" sampling norms.

Technical Characteristics

Flow rate range	10 - 50 l/min
Flow rate at inlet	> 50 l/min
Pump type	4.2 m ³ /h dry rotary vane
Autonomy	max 2 sequential samples *
Power supply	220/240 Volt 50Hz
Operative conditions	-3 + 40°C (-20 + 40 °C with low temp. kit*)
Low temp. kit	AA99-009-9901SP
Dimensions mm (b x p x h)	340 x 250 x 440 (without stand)
Weight kg	19 Kg
P/N of instrument 1 line	AA99-009-0000SP
P/N of instrument 2 sequent. lines	AA99-009-0010SP
P/N of aluminium stand	AA99-009-9910SP
P/N of the wind speed/dir. interface	AA99-009-9907SP
P/N of the wind speed/dir. sensor	AA99-009-9908SP

* options