



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 polycycles aromatic hydrocarbon PAHs" sampling norms.

Technical Characteristics

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|--------------------------------------|---|
| 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