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DustCheck DPM-5

Sequential sampler

- 5 positions 47 mm filter holder support
- Outdoor shelter with secure lock key
- Sampling volume up to 5 liters
- Ambient temperature sensor available in a dedicated support

The sampling sequential system is the reply to continuous requests for an easier to use tool without any locating and installation issue. The system concerns a derivate in anodized aluminum reducing dust passage friction to the minimum guarantying maximum sampling repeatability.

Easy to use, the Dustcheck DPM-5 sequential sampler fit with all sampling needs. Based with a powerful aspirating rotative pump (the EPA version has built in a single head diaphragm pump) that allow the system to perform sampling in a constant flow option to compensate any pressure drop coming from overload samples. The new microprocessor allows the user to gain environment temperature, atmospheric barometric pressure, direction and wind speed (optional sensor), relevant humidity (optional sensor).

Technical features:

- EU Compliance: rotative aspirating pump oil less up to 6 m³/h and
- Usability range between 5 and 50 liters per minute
- US EPA Compliance: single head diaphragm pump with operative range between 0,5 and 30 liters per minute
- Electronic flow control with 1% in accuracy with Mass Flow control
- Volumetric flow control wit integrated DryGas Meter
- Integrated barometric pressure sensor
- Temperature sensors at drygas meter, ambient and sampling filter area
- Flow rate standard deviation control with flow fault option and real time data on display
- Sampling time and volume pre-selected from main board menu up to 5 days (one day per filter). The user could modify all programmed sampling period also during sampling time.
- Instrument self check including leak test (leak test adapter as an option) and sensors (ambient and process sensors)
- Optional wind speed and direction sensors to previously set sampling depending from atmospheric conditions

- RS 232 data output for software download (Analitica Strumenti SDC2000™)
- Serial printer located on instrument front panel
- Optional GSM/GPRS data port communication (card not supplied)
- If AC Power fault all data will be kept in the memory and the sampler will have an automated start and data saved
- Optional cooling system to keep in a constant mode the sampler vane and temperature filters
- Dimensions: 52x50x28 cm (H x L x W)
- Weight (no inlet): 16 kg
- Power source: 220V-AC (also available in 115V)

The DustCheck DPM5 sampler is in EN and US-EPA compliance. External case is in aluminum with epoxy paint no corrosion.

The DustCheck DPM-5 supplied with:

- 5 filter holder boxes
- Aspiration line w natural ventilation
- Built in serial printer and USB Key data transfer
- Downloading data and remote control SDC2000™
- Outdoor ambient temperature with shelter
- User manual
- AC Plug cable
- RS 232 cable to connect DPM16 to PC and software
- USB support to download data
- Calibration report

[Order table](#)





600/DCDPM5001K

The Dustcheck DPM-5 is a compact sampling device up to 5 filters in pre-programmed sequences in full compliance of EU EN-12341 and EN-14907 PM10 and PM2,5 requirements. The Dustcheck DPM-5 is also available to US-EPA method CFR-40. The system has built in a 5-filter holder support allowing the user to select up to five days of programmed air sampling monitoring. This option allows the user having very inexpensive costs to monitor dusts in a short period without using bigger and more expensive devices.

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- [Sequential sampler](#)