



## DustCheck DPM-1

Sequential sampler

- Single 47mm sampling filters
- Fully microprocessor based for sampling periods and data management
- Large backlight plasma display
- Outdoor shelter with secure lock key
- Volume sampling for 1 single filter
- Environment wind detection available with an optional support

Easy to use, the Dustcheck DPM-1 PM sampler fit with all sampling needs. Based with a powerful aspirating diaphragm pump (the EPA version has built in a single head diaphragm pump) that allows the system to perform sampling in a constant flow option to compensate any pressure drop coming from overload samples. The new microprocessor capabilities allow the user to select and store in the memory up to three different programs with sampling settings ready to start.

### Technical features:

- EU Compliance: 5 m<sup>3</sup>/h pump with operative 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 with 2% accuracy
- Integrated barometric pressure sensor
- Temperature sensors at drygas meter, ambient, sampling filter and mass flow
- 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. The user could modify all programmed sampling period also during sampling.
- 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 preprogrammed sampling depending from atmospheric conditions
- RS 232 data output
- USB port for data download

- 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
- Dimensions: 48x44x28 cm (H x L x W)
- Weight (no inlet): 16 kg
- Power source: 220V-AC (also available in 115V)

*The DustCheck DPM1 sampler is in EN and US-EPA compliance. External case is in aluminum with epoxy paint no corrosion.*

The DustCheck DPM-1 supplied with:

- 1 filter holder with 2 filter cassettes
- Outdoor ambient temperature with shelter
- Instruction manual
- AC Plug cable
- USB memory stick for sampler data download
- Calibration report

**The Dustcheck DPM-1 is a compact sampling device with one filter in full compliance of EU EN-12341 on PM10 and PM2,5 requirements. The Dustcheck DPM-1 is also available to US-EPA method CFR-40. The system designed for a single filter holder support.**





