



PM10 High Volume Sampler Upgrade Kit

- Can be used with all Graseby Andersen, GMW, Tisch Environmental models
- Redesigns an obsolete piece of equipment with state-of-the-art technology
- Complies with norm UNI-EN-12341 and norm US-EPA Cfr.40
- Electronic flow control with load loss compensation
- Acquisition of flow, volume and atmospheric parameter data such as pressure and temperature
- Interfaceable with wind direction and speed sensors
- Multi-stage magnetic induction motor



volume Air Flow HVS sampler. Simply couple the filter holder output with the flow control system adapter by means of the small supports located on the machine body to immediately form a state-of-the-art instrument in full compliance with requirements set by the European Community with norm EN-12341. The diagram below represents the differences between the various older generation and new Air Flow HVS-PM10 models.

Below are some of the differences which can be obtained easily by ordering the Air Flow HVS-PM10 upgrade kit:

- Sampler hook support modification
- Mounting of old preselector on the new Air Flow HVS-PM machine body
- Cleaning and regeneration of preselector PM10-HVS
- Complete sampling system calibration

The first device for high volume dust fraction PM10 sampling dates back to the end of the 1970's in the form of an inertial impact system for flow conditions at 1200 litres per minute. This device was introduced into EPA methodology with the purpose of monitoring that which would soon overturn fine dust, better identified later as PM10, where 10 indicates fraction particle size expressed in microns.

This system provided the impactor with a device composed of a graphite brush motor and a complex device for flow regulation as well as a mechanical data acquisition system and a paper and pen recorder. These systems have become virtually obsolete since not much technological attention was paid to this type of instrument. The system's complexity of use and low reliability as well as a lack of assistance and available spare parts led owners of this instrument to abandon it, replacing it with different and upgraded means.

During this fall from use, however, the European Community introduced this instrument as reference sampler (mainly due to its optimal preselector performance) with norm EN-12341 put into effect by all European Union countries. Nothing however was able to redesign this instrument which, despite its high accuracy, was an old, outdated mechanism.

Analitica Strumenti today proposes the possibility to whomever has a similar machine at their disposal to update it utilising a preselector with a filter holder, installing it on the body of the machine in line with the high

This operation can be carried out in our laboratories or directly on-site at the Customer's workplace with a small extra travel charge. 12 month system guarantee from the date of installation.



Old style PM 10 High volume sampler

	Analitica Air Flow-HVS	Andersen Instruments	GMW	Tisch Environmental
EN-12341 Impactor	Yes	Yes	Yes	Yes
EPA Cfr.40 Conformity	Yes	Yes	Yes	Yes
Electronic Flow control	Yes	No	No	No
Microprocessor management	Yes	No	No	No
Digital Flow detection	Yes	No	No	No
Bar Pressure detection	Yes	No	No	No
Sampling Volume setting	Yes	No	No	No
Temperature detection	Yes	No	No	No
GPRS remote control	Yes	No	No	No
Wind sensor interface	Yes	No	No	No
Sampling Data memorisation	Yes	No	No	No
Software and printer interface	Yes	No	No	No



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Azienda con sistema qualità certificato secondo lo standard ISO 9001:2000



PM10 High Volume Sampler Upgrade Kit

PM10-HVS Information Request

Complete the form as follow and send it to fax **+39 0721 26285** or e-mail to **info@analiticastrumenti.com**

Send me information concerning PM10 High Volume Sampler Upgrade kit

Name _____

Surname _____

Company _____

Dept. _____

Street _____

Zip _____ Town _____ Country _____

Phone _____ Fax _____ E.mail _____

Wich High Volume Sampler i am using up now:

Andersen Instruments Serial Number _____

General Metal Work Serial Number _____

Tisch Environmental Serial Number _____

Staplex Serial Number _____

I am interested to recive a quotation

Send me High Volume Sampler product line bulletin

Come ordinare

High Volume Sampler Upgrade Kit

600/REFPM10HV001K



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