



Portable Sequential Sampler

Charlie



Main Characteristics:

- **Certified by TÜV in accordance with the EN12341 and DM60 norms**
- Interface for SENTINEL PM sequential modul
- Electronic flow rate regulation
- Measuring sensors for the following parameters:
 - Atmospheric pressure
 - Filter pressure drop
 - Ambient temperature
 - Dry gas meter temperature
- Volumetric measurement with dry gas meter with $\pm 2\%$ precision
- Sampling conditioning signal:
 - for wind direction
 - for external signal * (ex. rain)
- RS232 interface
- Backup battery for permanent date and hour
- Interface for TCR sequential sampling heads *
- Built-in printer *
- Remote control with dedicated software

Charlie is an electronically controlled flow rate sampler, a sample system which is versatile and precise, and corresponds with the most recent and accredited atmospheric sampling methods for particulate matter and gas pollution.

Thanks to its reduced dimensions and weight, Charlie is easy to transport and integrate in the existing cabins for atmospheric monitoring.

Realized in two versions with different flow rate ranges that support SENTINEL PM for automatic sequential dust sampling.

The model **CHARLIE**, with flow rate between 0.5 and 30 l/min, can be used also for gas pollution determination, in fact, if equipped with the appropriate interface, supports the sequential sampling manifolds as well.

The model **CHARLIE HV**, with flow rate between 10 and 50 l/min, is suitable to operate specially for dust sampling, particularly with LVS PM10 sampling head at 2.3 m³/h according the EN 12341 norm.

The frontal panel of Charlie can be equipped with a printer which gives a hard copy of a summary report at the end of each sampling.

Technical Characteristics:

	Charlie	Charlie HV
Flow rate range	0.5 - 30 l/min	10 - 50 l/min
Pump type	Rotary vane 3m ³ /h	Rotary vane 6m ³ /h
Power supply	220 V 50 Hz	
Dimensions mm (b x b x h)	310 x 300 x 360	
Weight kg	13	16
P/M of article	AA99-012-0000SP	AA99-012-0010SP
P/M of printer option	AA99-012-9902SP	
P/M of interface for sequential heads	AA99-012-9901SP	



Acquisition software and remote control

* Facultative options