



Leberstraße 63
10829 Berlin/Germany

+49 (0) 30 78 95 50 11
+49 (0) 30 78 95 50 12

info@leckel.de
www.leckel.de

SVEN LECKEL
Ingenieurbüro GmbH

MINI-VOLUME-SAMPLER MiniVS-C

The mini volume sampler **MiniVS-C** serves mainly for the measurement of **soot (EC) (VDI 3787 part 10)** as well as **heavy metal concentrations** in ambient air and indoors with a sampling duration of some days respectively some weeks. Beside the analysis on dust compounds, the **particle mass** collected on the filter can also be **gravimetrically measured**.

The flow rate is controlled by means of a temperature- and pressure-compensated orifice plate according to Bernoulli's law and converted to ambient conditions by means of Boyle-Marionette's law at constant 200 operating-l/h. The air sample is shown on the display with a sensitivity of 1 l/h. If the filter is clogged, the sampler shuts down automatically.

The **inlet**, that consists of pre-impactor and filter holder, can be attached directly to the device or it can be operated externally (e. g. by using a hose connection between inlet and device). By changing the impactor jet the device can be used either as PM2,5 or PM10 sampler.

The inlet can be equipped with filter holders for filters of **25 mm** or **47/50 mm** diameter. When using the **small filter holder** the device can be operated for **e. g. approximately 1 week**. With the **large filter holder** it can be operated for **e. g. approximately 1 month**.

The housing of the MiniVS-C is made of stainless steel sheet metal (V2A).

Subject to alteration Ed. 05/11



Technical Data

Flow rate:	200 l/h
Filter diameter:	25 mm oder 47/50 mm
Active filter diameter:	PM2,5 oder PM10
Weight incl. inlet:	ca. 10 kg
Power supply:	220 V, 50/60 Hz
Power consumption:	20 VA
Dimensions:	
Width:	310 mm
Height:	330 mm
Depth:	250 mm