

BiVOC2 - the 2-channel sampling pump for air sampling



ideally suitable for sampling of VOCs and aldehydes:

- simultaneous TENAX double sampling
- simultaneous sampling onto different sample-media

with just one pump!

- precise control unit for each channel
- each channel can be individually set up
- 10 editable preset programs
- US-standard, German-standard and volumetric liters
- Configurable interval mode (since version 2.1)
- more cost effective than 2 single pumps (with comparable technical specifications)

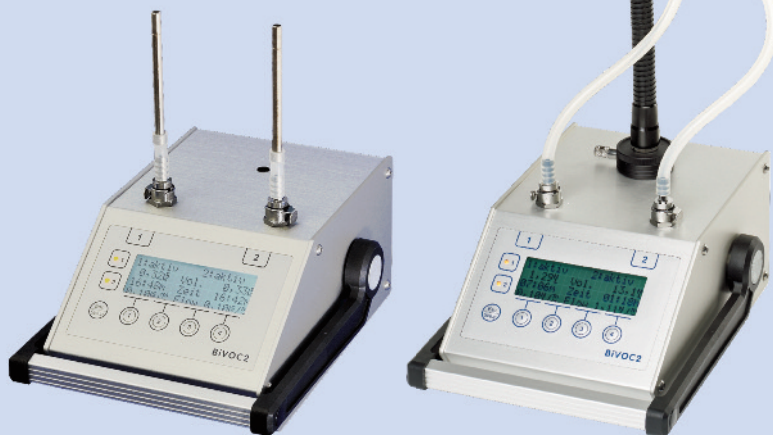
Technical specifications

Number of sampling channels	2 individually controlled channels
Volume flow	0.1 to 1.1 SL/min per channel, dependent on the necessary negative pressure pre-selectable up to 1.9 SL/min (e.g. channel 1 with 0.1 SL/min and channel 2 with 1.9 SL/min)
Sampling air volume	0.5 to 5,000 SL (US-standard liters 0 °C / 1013 hPa), LS (German-standard liters 20 °C / 1013 hPa) and L (Liters cur. temperature and air pressure, with optional temperature sensor)
Data storage	64 sampling data (ring buffer), 3840 records for sampling log, (storage intervals for sampling log selectable in the range of 1 s to 240 s)
Start delay	selectable for each channel from 5 seconds up to 24 hours
Interval mode	configurable to extend the sampling duration for combined samplings with the same time window (to avoid possible overload, since firmware version 2.1)
Presettings	up to 10 presettings (volumes, volume flows, start delay per channel)
Operator guidance	German / English
Operation	keypad with 5 keys
Display	large illuminated LC display, 4 lines each with 20 characters
Status signaling	status display with multi-colored LED per channel, acoustic signal generator
Flow measurement	flow sensor for each channel with upstream 10 µm protection filter cartridge
Accuracy	volume flow: ± 2.0 % of the measured value plus ± 0.002 SL/min volumes: ± 2.5 % of the measured value
Air conveying mechanism	maintenance-free membrane pump with controlled brushless drive
Energy supply	internal Lithium-Polymer battery pack (up to 15 hours of operation at 2 x 0.1 L/min)
Charger	100 - 240 Volt AC, charging current max. 2 A, included in delivery
Sample air inlet	via lockable 3/16" plug-in couplings made of chrome plated brass
Sample air outlet	via a lockable 3/16" plug-in coupling made of plastic
PC connection	USB socket (type B) on the rear side
PC software	for Microsoft Windows XP, 7 / 8, included in delivery
Dimensions (W x H x D) / weight	180 mm x 125 mm x 255 mm / 2480 g
Tripod sockets	UNC 1/4 inch (photo) and UNC 3/8 inch (microphone)
Optional ext. temp. and humidity sensor	rotronic Hygroclip2 (HC2-S), pluggable into socket on the device's rear side
Optional sample-media bracket	for fixing of the sample-media, approx. 25 cm, with quick release plate
Optional handling case	with PE foam cut-outs, available in light gray, anthracite and sapphire blue
Notes	Subject to technical changes

With the **BiVOC2** you can connect the sample-media directly to the hose fitting with a short hose.

The optional sample-media bracket (picture right) is practical and flexible. The sample-media can be easily aligned. The media bracket is connected to the pump via a quick-change adapter.

Simply click in and fix the media bracket, insert the sample-media, align – that's it!



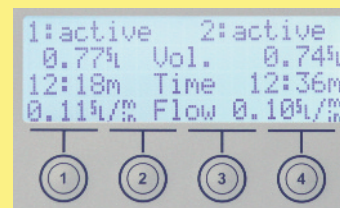
Handling case for the BiVOC2

For transporting the **BiVOC2** optional handling cases are available (systainer T-Loc 3) with suitable foam cut-outs. Everything has its own place and some sample-media and hoses also fit in.

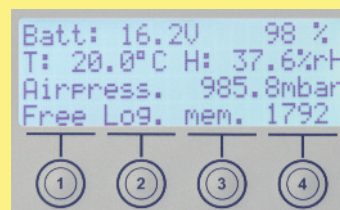
The handling cases can be connected to each other. They are available in sapphire blue, anthracite and light gray.



Details that matter!

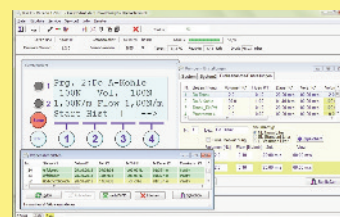


During sampling **BiVOC2** continuously shows all relevant data on the illuminated display.



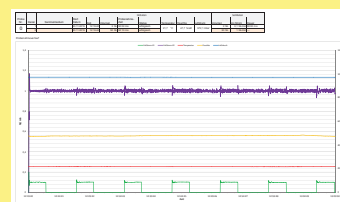
The current climate data*, battery capacity and free memory can be retrieved with a button press also during an ongoing sampling.

*Climate data with climate packet and temp. sensor



The **BiVOC2.exe** software* for configuration, data transfer and readjustment is included.

*for Microsoft Windows XP, 7, 8



The sampling process can be logged in intervals and can be exported to Microsoft EXCEL*. The chart shows the progress for channel 1 in interval mode.

*Microsoft EXCEL not included

Ordering information

Configuration / accessories	Article no.	Handling case / accessories for BiVOC2	Article no.
BiVOC2 with charger, handbook, PC software, certificate	01-310E	light gray body, handle and blue catch	01-250E
Sample-media bracket for BiVOC2 (optional)	01-350E	anthracite body, handle and catch	01-255E
Temperature and humidity sensor rotronic HC2-S	01-330E	sapphire body, red handle and catch	01-256E
Cable for HC2-S, 1 m, Type E2-01A (optional)	01-340E	additional pluggable hose coupling made of metal	02-390E

