

ACTI-VOC™

ACTI-VOC™ is a robust low-flow pump kit for sampling VOCs onto sorbent tubes for analysis using thermal desorption (TD).

Tubes, bags and more...

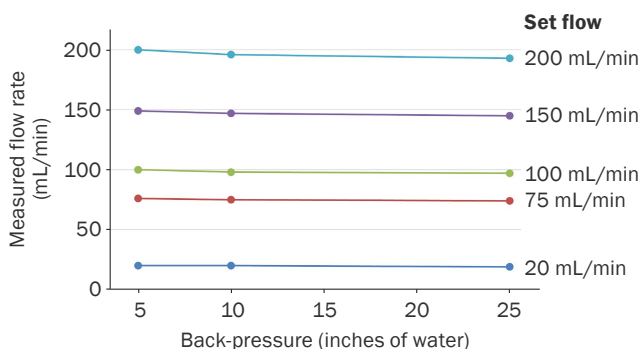
Easy to use and supplied with a comprehensive set of accessories, ACTI-VOC is ideal for personal monitoring and a wide range of other air and gas sampling applications.

ACTI-VOC is compatible with sampling of air or gas into TD tubes and Tedlar bags, and also works perfectly with Markes' SafeLok™ tubes.



Consistent flow rates

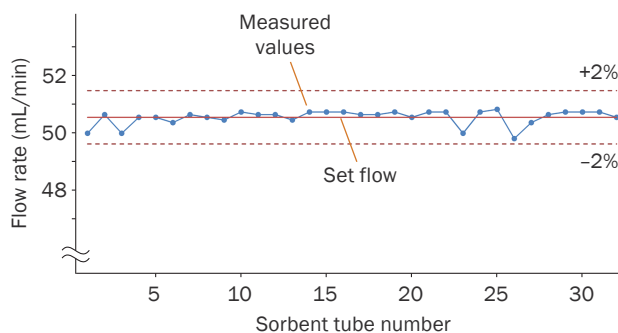
ACTI-VOC automatically compensates for different impedances, ensuring constant flow rates whatever the sorbent packing.



ACTI-VOC shows consistent flow rates across different back-pressures, making it suitable for tubes with a variety of sorbent combinations.

No need to calibrate every tube

ACTI-VOC shows exceptional repeatability, meaning that you don't have to calibrate the pump for every tube. As well as saving time and effort, this makes it ideal for use in Markes' MTS-32™ multiple tube sampler.



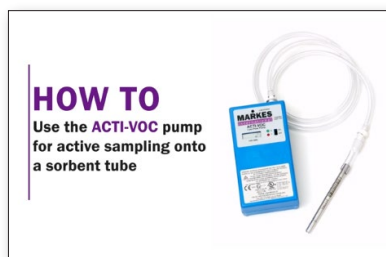
ACTI-VOC shows consistent flow rates for a sequence of 32 sorbent tubes installed in Markes' MTS-32 multiple tube sampler.

Product highlights

- Constant-flow sampling: 20–200 mL/min.
- Constant-pressure sampling: 1–350 mL/min.
- Simple screw-operated flow adjustment makes calibration easy.
- Supplied with a comprehensive kit and carry-case.
- Long battery life ensures stable performance for over 8 hours.
- Pocket-sized, lightweight and easy to use.

Each ACTI-VOC kit contains:

- Back-pressure adaptor, for use in constant-flow mode with flows up to 100 mL/min
- CapLok™ tool to simplify tube capping
- Tools for flow adjustment and mode selection
- Adaptor for bag sampling
- Mains charger
- Convenient carry-case.



Scan the QR code or follow the link below to watch our short video on the ACTI-VOC:
<http://chem.markes.com/ACTI-VOC>



Order your ACTI-VOC today

Please contact your regional distributor or one of our offices (details below).

Technical specification

Part number

- C-LFP-01 (C-LFP-05 for a pack of five kits)

Flow range

- Constant-flow mode: 20–200 mL/min
- Constant-pressure mode: 1–350 mL/min (note that external pump flow calibration requires a digital flowmeter or primary standard low-flow calibrator).

Flow control

- $\pm 5\%$ of set point or ± 3 mL/min, whichever is greater

Operating conditions

- Temperature: -20°C to 45°C
- Relative humidity: 0–85%

Electrical rating

- Battery: Rechargeable NiMH
- Run time: 8 hour minimum
- Charging time: 14–18 h
- Output: 4.8 V, 720 mA h
- Intrinsically safe (ATEX-approved)

Sorbent tube compatibility

- Industry-standard tubes ($3\frac{1}{2}'' \times \frac{1}{4}''$ o.d.)
- Any 6 mm o.d. tube (including standard DAAMS tubes)

Dimensions

- Width: 6.4 cm (2.50")
- Height: 3.5 cm (1.38")
- Length: 11.8 cm (4.63")

Weight

- 340 g (12 oz)

Additional features

- Digital clock indicating elapsed sampling time
- Flow fault indication
- LED battery check
- Belt clip
- Dual filtration system
- External flow adjust
- Automatic instant-fault shutdown

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