

Sampling cases

Sampling cases manufactured by PAS Technology Deutschland GmbH, are devices to sample organic carbons on solid sorbents, developed to be used in the field. Enrichment can be carried out, using various SPME formats (fibers, blades or membranes), NeedleTraps or thermal desorption tubes.

| Model | Application |
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| SC-XS | Controlled sampling of VOC from ambient air on NT or TD-Tubes, Flow range: 5 – 250 ml/min up to 20 – 1.000 ml/min |
| SC-S | Controlled sampling of VOC from ambient air or processes on NT , Flow range: 1 –50 ml/min, to calibration curves for two different gases available. |
| SC-L | Controlled sampling of VOC from ambient air or processes on NT, Flow range: 1 –50 ml/min, two calibration curves for two different gases available. Vial heater station (ambient – 150 °C) for 10/20 ml standard vials (dynamic HS-sampling from soils, sludge, solids). |
| SC-XL | from ambient air or processes on NT, Flow range: 1 –50 ml/min, two calibration curves for two different gases available. Vial heater station (ambient – 150 °C) for 10/20 ml standard vials (dynamic HS-sampling from soils, sludge, solids). Purge and Trap option with temperature controlled U-tube sparger vessel. |
| SC-B | Controlled sampling of VOC from alveolar portion of human or animal breath on NT. |
| SC-Stirrer | Time and frequency controlled (100 – 4000 rpm) SPME sampling from surface water |
| SC- μ ESK | Micro extraction sampling kit, consists of a selection of SPME-fibers, Needle-Traps and useful tools for field sampling and analysis |

Specifications:

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| Power supply: | LiPo-Ion Battery, 24 V DC, 10 Ah |
| Charging station: | 110 - 230 V AC, 50/60 Hz, 2 A |
| Ambient conditions | 10°C - 40°C ambient temperature |
| Dimensions | W340mm x D295mm x H150mm (Models XS, S, B, Stirrer and μ ESK) W470mm x D357mm x H176mm (Models L and XL) |
| Weight: | approx. 4 kg (Model μ ESK), approx. 5 kg (Model Stirrer), approx. 6 kg (Models XS and S), approx. 10 kg (Model X), approx. 11 kg (Models XL and B) |
| Hardware (exc. μ ESK): | Vacuum pump, controller unit with LCD screen, incl. offset- and zeroing-function, Interface to control and be controlled by external equipment, LiPo-battery, 24V/10Ah - incl. balancer, voltage regulator to protect from over voltage by fully charged battery, charging station, battery charging condition indicator, 2 m 1/8" FEP sampling tube with Luer-adapter |