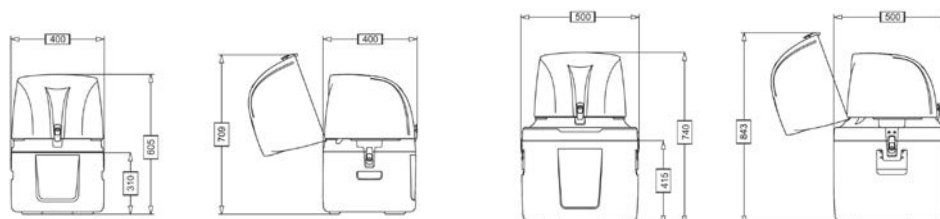




# Portable Samplers PB-M

Mobile sampling in safe hands. The lightweight design and the compact housing of the **PB-M** ensure a unique carrying comfort. The modern operating structure and vacuum pump system allow a carefree sampling process.

We would like to inform you about the application range on our website



## Technical Data

| Model                                   | PB-M-S                                                                                                                                            | PB-M-L                        |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Sampling method</b>                  | Vacuum-System                                                                                                                                     |                               |
| <b>Sampling fractioning</b>             | Collection container (PE):<br>1 x 13 l                                                                                                            | Bottles (PE):<br>24 x 1 l*    |
| <b>Dosing</b>                           | 20 ... 350 ml                                                                                                                                     |                               |
| <b>Sampling modes</b>                   | Time-, amount-, event-proportional or manual                                                                                                      |                               |
| <b>Volume accuracy</b>                  | <2.5 % or $\pm 3$ ml                                                                                                                              |                               |
| <b>Sampling temperature</b>             | +32 ... +104 °F (0 ... +40 °C)                                                                                                                    |                               |
| <b>Ambient temperature</b>              | +32 ... +122 °F (0 ... +50 °C)                                                                                                                    |                               |
| <b>Suction height</b>                   | Max. 21 ft (6.5 m) at 1013 hPa                                                                                                                    |                               |
| <b>Suction tube</b>                     | PVC, 16 ft (5 m), 0.39 in (10 mm), fabric reinforced**                                                                                            |                               |
| <b>Signal inputs</b>                    | 2 x 0(4) ... 20 mA<br>8x digital (amount, event, freely programmable)                                                                             |                               |
| <b>Programming</b>                      | 12 programs (freely programmable); with function to link programs                                                                                 |                               |
| <b>Program start</b>                    | Immediately, at a certain time, by an external signal                                                                                             |                               |
| <b>Program stop</b>                     | End of sampling program after one program run, continuous operation or x-runs                                                                     |                               |
| <b>Pause mode</b>                       | Interruption of program run at any time                                                                                                           |                               |
| <b>Languages</b>                        | Multi-language, selectable                                                                                                                        |                               |
| <b>Signal outputs / status messages</b> | 8 x digital, 1 x collective malfunction message                                                                                                   |                               |
| <b>Data logging</b>                     | 3000 entries, nonvolatile data memory, storage of sampling and malfunction data (sampling extraction, bottle changes, messages, external signals) |                               |
| <b>Interfaces</b>                       | Mini-USB, RS422/485, Ethernet RJ45                                                                                                                |                               |
| <b>Housing</b>                          | ABS, double-walled insulation                                                                                                                     |                               |
| <b>Wetted materials</b>                 | PC, PVC, silicone, PS, PE                                                                                                                         |                               |
| <b>Dimensions (D x H)</b>               | 15.8 x 23.8 in (400 x 605 mm)                                                                                                                     | 19.7 x 29.1 in (500 x 740 mm) |
| <b>Weight</b>                           | 17.6 lb (8 kg)                                                                                                                                    | 26.5 lb (12 kg)               |
| <b>Power supply</b>                     | 12 V                                                                                                                                              |                               |
| <b>Standards</b>                        | CE, sampling according to ISO 5662-10 and EN 16479                                                                                                |                               |
| <b>Protection Rating</b>                | IP66 (power supply)                                                                                                                               |                               |
| <b>Warranty</b>                         | 2 years on defects in quality according to § 10 terms of conditions                                                                               |                               |

\* further configurations on request

\*\* expandable per meter, max. length 98 ft (30 m)

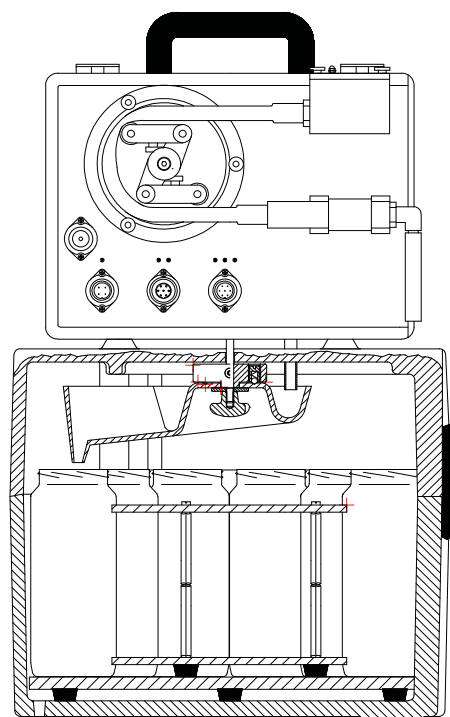
| Model      | Description                                     | Order No. |
|------------|-------------------------------------------------|-----------|
| PB-M-S/1   | Version with 1 x 13 l collection container (PE) | 503250    |
| PB-M-L/R24 | Version with 24 x 1 l sample bottles (PE)       | 503280    |



# Portable Samplers PB-25-S

The portable sampler **PB-25-S** with peristaltic pump technology and a built-in battery pack is available for fractional samples via circular distributors to 12 x 1 l or 24 x 0.5 l sampling containers. The sampler convinces with its compact design and the possibility to sample very small single dosage volumes.

*We would like to inform you about the application range on our website*



## Technical Data

| Model                        | PB-25-S                                                                                                                                                                                                                | PB-25-S/24    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Sampling method</b>       | Peristaltic pump                                                                                                                                                                                                       |               |
| <b>Sampling fractioning</b>  | 12 x 1 l                                                                                                                                                                                                               | 24 x 0.5 l    |
| <b>Dosing</b>                | 10 ml to 25,000 ml, depending on the chosen bottle volume, otherwise adjustable                                                                                                                                        |               |
| <b>Operating temperature</b> | +32 ... +104 °F (0 ... +40 °C)                                                                                                                                                                                         |               |
| <b>Suction height</b>        | 6 m                                                                                                                                                                                                                    |               |
| <b>Suction tube</b>          | PVC, 20 m long, 9 mm Ø                                                                                                                                                                                                 |               |
| <b>Programming</b>           | 5 freely parameterizable application programs, up to 6 programs can be connected to a sequence                                                                                                                         |               |
| <b>Data logging</b>          | 2 MB EEPROM data storage, ring buffer for results and errors                                                                                                                                                           |               |
| <b>Housing</b>               | PUR (Polyurethan)                                                                                                                                                                                                      |               |
| <b>Wetted materials</b>      | Suction hose: PVC<br>Pump hose : silicone<br>Hose coupling: PA<br>Inlet pipe: PVC<br>Distributor: PS<br>Suction piece: V2A (1.4305/AISI303)<br>Water detection: contactless (inner pipe PVC)<br>Bottles: HDPE or glass |               |
| <b>Dimensions (D x H)</b>    | 37 cm x 59 cm                                                                                                                                                                                                          | 36 cm x 69 cm |
| <b>Weight</b>                | 12 kg                                                                                                                                                                                                                  | 19 kg         |
| <b>Power supply</b>          | Lead-gel battery 12 V DC / 8 Ah                                                                                                                                                                                        |               |
| <b>Standards</b>             | CE                                                                                                                                                                                                                     |               |
| <b>Protection Rating</b>     | IP 65 (with protective cover)                                                                                                                                                                                          |               |
| <b>Warranty</b>              | 2 years on defects in quality according to § 10 terms of conditions                                                                                                                                                    |               |

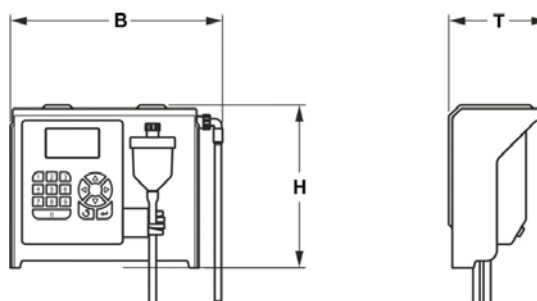
| Model      | Description                            | Order No. |
|------------|----------------------------------------|-----------|
| PB 25 S    | Version with 12 x 1 l sample bottles   | 000103    |
| PB 25 S/24 | Version with 24 x 0.5 l sample bottles | 000105    |

# Samplers for wall mounting



With its large and quickly changeable containers, the **PB-W** is ideal for standard applications. The compact and lightweight housing assures fast mounting. Let's get ready for standardized sampling.

We would like to inform you about the application range on our website



## Technical Data

|                                         |                                                                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                            | <b>PB-W</b>                                                                                                                                       |
| <b>Sampling method</b>                  | Vacuum-System                                                                                                                                     |
| <b>Sampling fractioning</b>             | Collection container (PE): 1 x 13 l, 1 x 25 l*                                                                                                    |
| <b>Dosing</b>                           | 20 ... 350 ml                                                                                                                                     |
| <b>Sampling modes</b>                   | Time-, amount-, event-proportional or manual                                                                                                      |
| <b>Volume accuracy</b>                  | <2.5 % or $\pm 3$ ml                                                                                                                              |
| <b>Sampling temperature</b>             | +32 ... +104 °F (0 ... +40 °C)                                                                                                                    |
| <b>Ambient temperature</b>              | +32 ... +113 °F (0 ... +45 °C)                                                                                                                    |
| <b>Suction height</b>                   | Max. 21 ft (6.5 m) at 1013 hPa                                                                                                                    |
| <b>Suction tube</b>                     | PVC, 16 ft (5 m), 0.39 in (10 mm), fabric reinforced**                                                                                            |
| <b>Signal inputs</b>                    | 2 x 0(4) ... 20 mA<br>8x digital (amount, event, freely programmable)                                                                             |
| <b>Programming</b>                      | 12 programs (freely programmable); with function to link programs                                                                                 |
| <b>Program start</b>                    | Immediately, at a certain time, by an external signal                                                                                             |
| <b>Program stop</b>                     | End of sampling program after one program run, continuous operation or x-runs                                                                     |
| <b>Pause mode</b>                       | Interruption of program run at any time                                                                                                           |
| <b>Languages</b>                        | Multi-language, selectable                                                                                                                        |
| <b>Signal outputs / status messages</b> | 8 x digital, 1 x collective malfunction message                                                                                                   |
| <b>Data logging</b>                     | 3000 entries, nonvolatile data memory, storage of sampling and malfunction data (sampling extraction, bottle changes, messages, external signals) |
| <b>Interfaces</b>                       | Mini-USB, RS422/485, Ethernet RJ45 (optional)                                                                                                     |
| <b>Housing</b>                          | PS/PC (GF10)                                                                                                                                      |
| <b>Wetted materials</b>                 | PC, PVC, silicone, PS, PE                                                                                                                         |
| <b>Dimensions (HxWxD)</b>               | 14.25 x 17.4 x 8.74 in (362 x 442 x 222 mm)                                                                                                       |
| <b>Weight</b>                           | 22 lb (10 kg)                                                                                                                                     |
| <b>Power supply</b>                     | 230V / 115V                                                                                                                                       |
| <b>Standards</b>                        | CE, sampling according to ISO 5662-10 and EN 16479                                                                                                |
| <b>Protection Rating</b>                | IP65                                                                                                                                              |
| <b>Warranty</b>                         | 2 years on defects in quality according to § 10 terms of conditions                                                                               |

\* further configurations on request

\*\* expandable per meter, max. length 98 ft (30 m)

| Model            | Description                               | Order No. |
|------------------|-------------------------------------------|-----------|
| <b>PB-W/230V</b> | Compact sampler for wall mounting (230 V) | 503200    |
| <b>PB-W/115V</b> | Compact sampler for wall mounting (115 V) | 503201    |