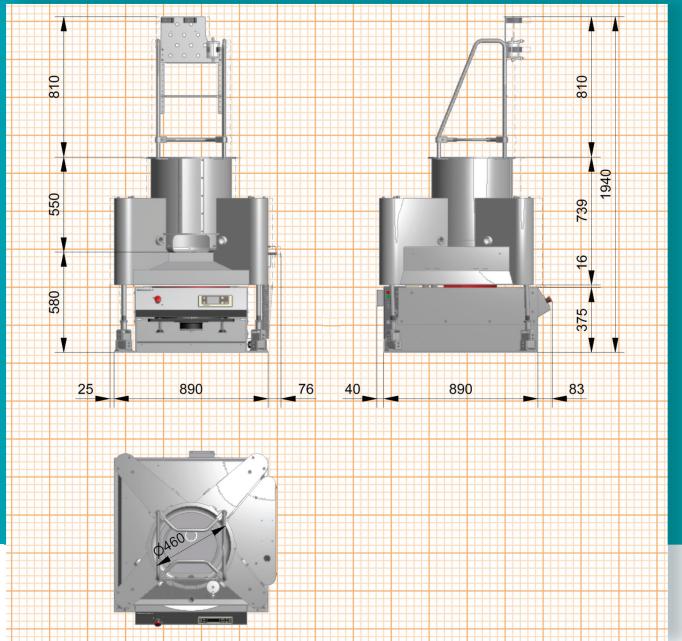
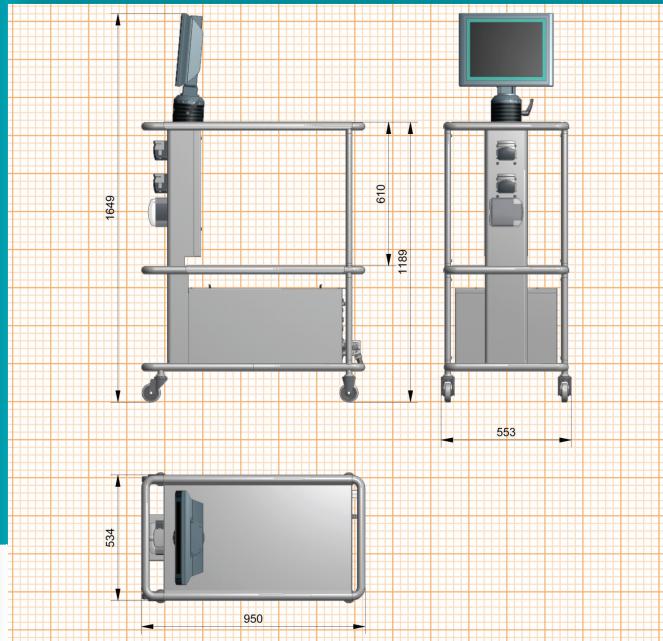


## Dimensions SB50-X



## Dimensions Control unit



# Technical data

## Shaken bioreactor

|                    |  |
|--------------------|--|
| ● Order number     | SMX7500  |
| Shaker speed       | max. 150 rpm   |
| Shaker diameter    | 50 mm (orbital motion)   |
| Weight             | approx. 340 kg without liquid  |
| Accuracy, absolute | ± 0.5 rpm  |
| Setting, digital   | 1 rpm  |
| Active brake       | adjustable   |
| Interface          | CAN-Bus, RS232   |
| Temperature        | up to 40°C   |
| Cooling            | cooling coils are incorporated<br>for connection to an external<br>cooling system (pressure <0.2bar) |
| ● Mains connection |  |
| SMX1021            | 220 - 240 V / 50-60 Hz   |
| SMX1023            | 110 - 120 V / 50-60 Hz   |
| SMX1024            | 95 - 105 V / 50-60 Hz  |

|                        |   |
|------------------------|---|
| ● Filter heater        | SMX7120   |
| Capacity               | 2 exhaust filters   |
| Temperature range      | Ambient temperature up to 45°C,<br>monitored and controlled<br>by Kuhner Insight Software |
| ● pH and DO control    | Integrated in Reader Box SMX7130  |
| pH measurement         | principle: optical chemosensor  |
| Range                  | pH 5.5 – pH 8.5   |
| Accuracy (chemosensor) | ± pH 0.05 at pH 7 with one point calibration<br>± pH 0.10 at pH 7 with pre-calibration    |
| Drift                  | < pH 0.005 per day  |
| Temperature range      | up to 50°C  |
| DO measurement         | principle: optical chemosensor  |
| Range                  | 0% – 100% DO  |
| Accuracy (chemosensor) | ± 0.1% O <sub>2</sub> at 20.9% O <sub>2</sub>   |
| Accuracy (system)      | ± 10% DO  |
| Drift                  | < 0.015% O <sub>2</sub> per day   |
| Temperature range      | up to 50°C  |

Technical data subject to change