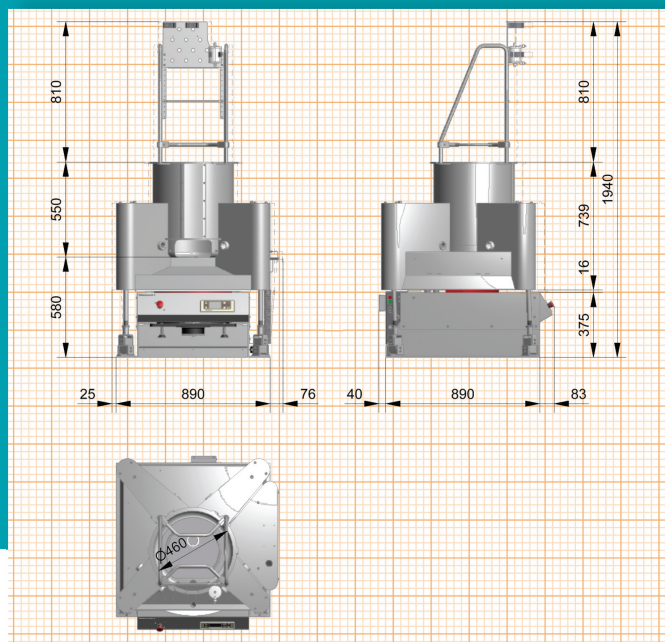
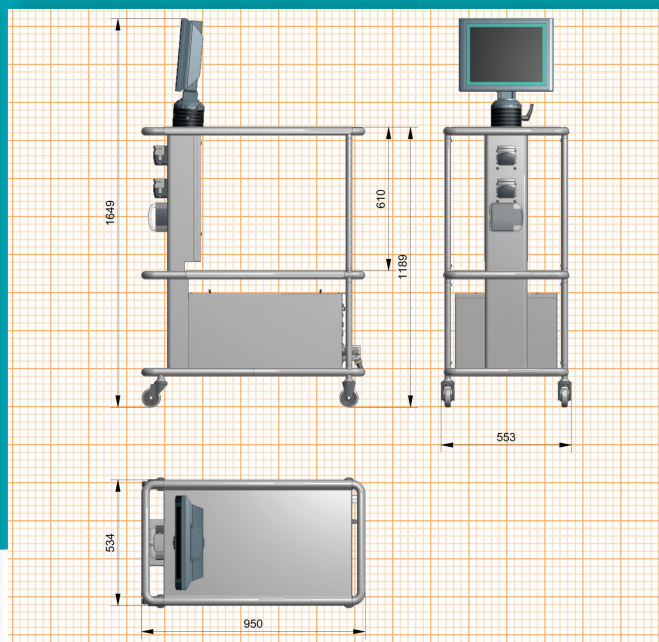


Dimensions SB50-X



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 for connection to an external 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, monitored and controlled 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 ± 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 ₂ at 20.9% O ₂
Accuracy (system)	± 10% DO
Drift	< 0.015% O ₂ per day
Temperature range	up to 50°C

Technical data subject to change