

Tower	
Size	338 x 660 x 450 (mm); without thermostat system
	338 x 790 x 450 (mm); with thermostat system
Ambient temperature	4 - 45°C
Material	Stainless steel, brushed
Display	Touchscreen 10.4"
Resolution	640 x 480 dpi
Measurement Range; Resolution	
Stirrer speed	dependent on vessel
Temperature	0 - 100°C; 0.1°C
	Pt100
pH	2 - 12; 0.01pH
	Mettler, Hamilton, Presens, and others (classic or disposable)
Redox	-2000 - 2000 mV; 1 mV
	Mettler, Hamilton, and others
DO	0 - 100%; 0.5%
	Mettler, Hamilton, and others (classic or disposable)
Foam, Level	conductive
Offgas O ₂ , CO ₂	0 - 25% (O ₂), 0 - 10% (CO ₂); 0.2%
	ZrO ₂ , Infrarot
Pressure	0 - 2000 mbar / 0 - 200 mbar (disposable); 1 mbar
	Scilog, Wika, and others
Optical Density	0 - 6 AU (dependent on media); 0.05 AU
	Absorption
DCO ₂	0 - 100%; 1%
	Mettler
Temperature Control System (optional)	
Thermostat system	8°C above cooling water temperature to 60°C; resolution: dependent on vessel
Heating blanket	with overtemperature protection & separate Pt100 for exact control of cell cultures; no local overheating possible
Gassing	
Mass Flow Controller	10 ml/min - 30 l/min
	up to 6 MFC freely selectable; calibrated for particular gases
Agitation	
Servo drive, 1- or 2-channel frequency converter	range of speed: dependent on vessel
Pumps	
Pump heads	peristaltic; free choice of 6 per tower
	WM 400, 102, 114, 303, 304
Interfaces	
Scale	2 per tower, serial
Measurement values	analogue inputs, freely selectable power/voltage
Pumps	2 external, analogue or digital pumps
USB	for data transfer to storage medium in CSV-format
Ethernet	for additional monitors / SCADA-connection
Expandable	