

Technical Data

Controller	Cell Growth
Operating mode	timer, continuous and program operation
Display	Tablet PC
Operation	touch screen
Data memory size [GB]	32
Auto restart after power failure	yes
Ethernet interface	yes
Single use reactor interface	yes
Thermostat interface	yes
Ext. pump interface	yes
Filter heater	yes
Stirring motor	yes
Calibration guide temperature	yes
Calibration guide pH	yes
Calibration guide pO ₂	yes
pH - temperature compensation	yes
Mode hose filling	yes
Stirrer control mode	off, manual, profile, Cascade-pO ₂ control, chaotic
Speed range [rpm]	1 - 2200
Speed deviation \geq 100 rpm [%]	\pm 2
Speed deviation \leq 100 rpm [rpm]	\pm 5
Speed display	TFT
Reversible direction of rotation	yes
Timer	yes
Timer display	TFT
Time setting range [min]	1 - 120
Heating blanket	yes
Heat output [W]	250
Heat control	TFT
Temperature control	PID
Working temperature [°C]	5 - 80
Connection for ext. temperature sensor	PT1000
Temperature display	yes
Temperature measuring range [°C]	0 - 100
Temperature measurement resolution [K]	0.1
Temperature control accuracy [°C]	\pm 0.2
Temperature limit min. [°C]	0
Temperature limit max. [°C]	110
pH measurement	yes
pH control mode	off, auto, profile
pH value display	TFT
pH measuring range [pH]	0 - 14
pH measurement resolution [pH]	0.01
Accuracy of pH measurement [pH]	0.02
Connction for pO ₂ sensor	yes
pO ₂ control mode	off, manual, auto, profile
Measurement range pO ₂ min. [%sat]	0
Measurement range pO ₂ max. [%sat]	200