

MAVEN



Measured analytes:	Glucose and lactate
Measurement frequency:	Up to 30 per hour (every 2 minutes). User-configurable.
Measuring range:	Glucose: 0.01 to 40 g/L Lactate: 0.05 to 10 g/L
Measurement precision:	Glucose: <1.5% at 2.0 g/L Lactate: <1.5% at 1.0 g/L
Probe/flow cell connections:	1
Measuring principle:	Selective flow-diffusion with enzyme-based amperometric biosensor
Biosensor service life:	5,000 measurements or 30 days
Biosensor storage temperature:	5 °C to 25 °C (41 °F to 77 °F)
Physical dimensions (W x H x D):	280 mm x 140 mm x 140 mm
Weight:	3 kg
Physical dimensions with stand (W x H x D):	292 mm x 514 mm x 305 mm
Weight:	5.8 kg
Ambient operating temperature:	15°C - 35°C (59°F - 95°F)
Ambient operating humidity:	10 - 90% RH (non-condensing)
System storage temperature:	5°C - 60°C (41°F - 140°F)
pH range of bioreactor medium:	4.8 to 9.2
Device ingress protection rating:	IP54
Safety/Compliance:	UL/CSA/IEC 61010-1; CE marked
Software:	Installed on PC
Software requirements:	Operating system Windows XP, Windows 7, 8, 10, Windows Server 2012 R2
Power requirements:	100-120, 220-240 VAC; 50-60 Hz
Device battery:	Lithium (0.09 g, UN test 38.3) Type CR2430 (3V, 270 mAh)
Analog output options:	0 to 10 V; 0 to 20 mA; 4 to 20 mA
Communication interfaces:	RS232, Ethernet
Data exchange modes:	OPC UA, Modbus TCP
Integrated controllers:	PID, On/Off
Included components:	Power adapter, power plug, crossover ethernet cable, user manual and PC-Software

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