

# Technical Specifications

Input Voltage	5 VDC ± 5%
Height (Without Mounting System)	approx. 74 mm
Additional Height on Shake Flask	approx. 70 mm
Operating Temperature	
Operating temperature	15 – 45 °C
Charging temperature	15 – 40 °C
Battery (built-in)	
Type	Li-Ion
Capacity	600 mAh
Runtime when fully charged <sup>1</sup>	approx. 1 week
Charging time	approx. 3 h
Charging source	Standard USB port that can source 500mA @ 5V
Radio	
Frequency	2.4 GHz
Range <sup>2</sup>	up to 30 m
Pump Flow Rate	max. 1 mL/min
Cartridge	
Sterilization	Ethylene Oxide (EtO)
Required flask type	Straight neck (no brim)
Required flask outside diameter	38 mm (± 0.3 mm)
Minimum flask inside diameter	33 mm

1 Dependent on feeding profile  
2 Dependent on environment

# Recommended Operating Conditions

<b>Temperature</b>	10 – 45 °C	
<b>Humidity (Relative)</b>	0 – 80% (non-condensing)	
<b>Filling Volume</b>	Recommended	3 - 20 mL
	Maximum <sup>1</sup>	25 mL
<b>Maximum Shaking Speeds<sup>2, 3</sup></b>		
<b>Shaking diameter ≤ 2.5 cm</b>		
100 – 125 mL shake flasks	250 rpm	
250 – 300 mL shake flasks	300 rpm	
500 – 2000 mL shake flasks	250 rpm	
<b>Shaking diameter ≥ 5.0 cm</b>		
100 – 300 mL shake flasks	250 rpm	
500 – 1000 mL shake flasks	225 rpm	
2000 mL shake flasks	200 rpm	

<sup>1</sup>Dependent on shaking speed and diameter

<sup>2</sup>Tested with factory new Infors/Laubert spring clamps (full spring strength, not warped)

<sup>3</sup>Values may differ when sticky mats or other adhesive mats are used or other addons are used (e.g., the Cell Growth Quantifier CGQ by SBI). Please carefully determine acceptable shaking speeds with your setup.