

Technical Specifications

Input Voltage	5 VDC ± 5%
Height (Without Mounting System)	approx. 74 mm
Additional Height on Shake Flask	approx. 70 mm
Operating Temperature	15 – 45 °C
Charging Temperature	15 – 40 °C
Battery (built-in)	
Type	Li-Ion
Capacity	600 mAh
Runtime when fully charged ¹	approx. 1 week
Charging time	approx. 3 h
Charging source	Standard USB port that can source 500mA @ 5V
Radio	
Frequency	2.4 GHz
Range ²	up to 30 m
Pump Flow Rate	minimum: 100µl droplets maximum: 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
Vessel Compatibility	Any shake flask size ranging from 100 mL to 5000 mL Flasks with or without baffles Glass and single-use flasks Sticky Mat mounts

¹ Dependent on feeding profile

² Dependent on environment

Recommended Operating Conditions

Temperature	10 – 45 °C	
Humidity (Relative)	0 – 80% (non-condensing)	
Filling Volume	Recommended	3 - 20 mL
	Maximum ¹	25 mL
Calibration	Recommended every two years	
Maximum Shaking Speeds^{2, 3}	100 – 125 mL shake flasks	250 rpm
Per Shaking Diameter	250 – 300 mL shake flasks	300 rpm
	500 – 2000 mL shake flasks	250 rpm

¹ Dependent on shaking speed and diameter

² Tested with factory new Infors/Lauber spring clamps (full spring strength, not warped) with a 2.5 cm shaking diameter

³ Values may differ when sticky mats or other adhesive mats are used or other add-ons are used (e.g., the Cell Growth Quantifier CGQ by SBI).

Please carefully determine acceptable shaking speeds with your setup.