

minicube pcr
flexibility will change
the way you work



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Electrical Specifications external power supply	
Wall plug voltage	120-240 V
Output voltage from powersupply	24 V
Maximum current at 12V output	18 A
Wall plugs	EU/UK/US
Electrical specifications MiniCube PCR	
Maximum power	280 W
System input voltage	24 V

Physical specifications			
Weight		SI	US
		4.7 kg	10.4 lbs
Size	Height	14 cm	5.5 inches
	Width	17 cm	6.7 inches
	Depth	17 cm	6.7 inches
Operating temp	Max	30 °C	86 °F
	Min	5°C	41 °F
Relative Humidity		0-95% RH	
Environment	RoHS Compliant		
Manufacturing	ISO 9001		

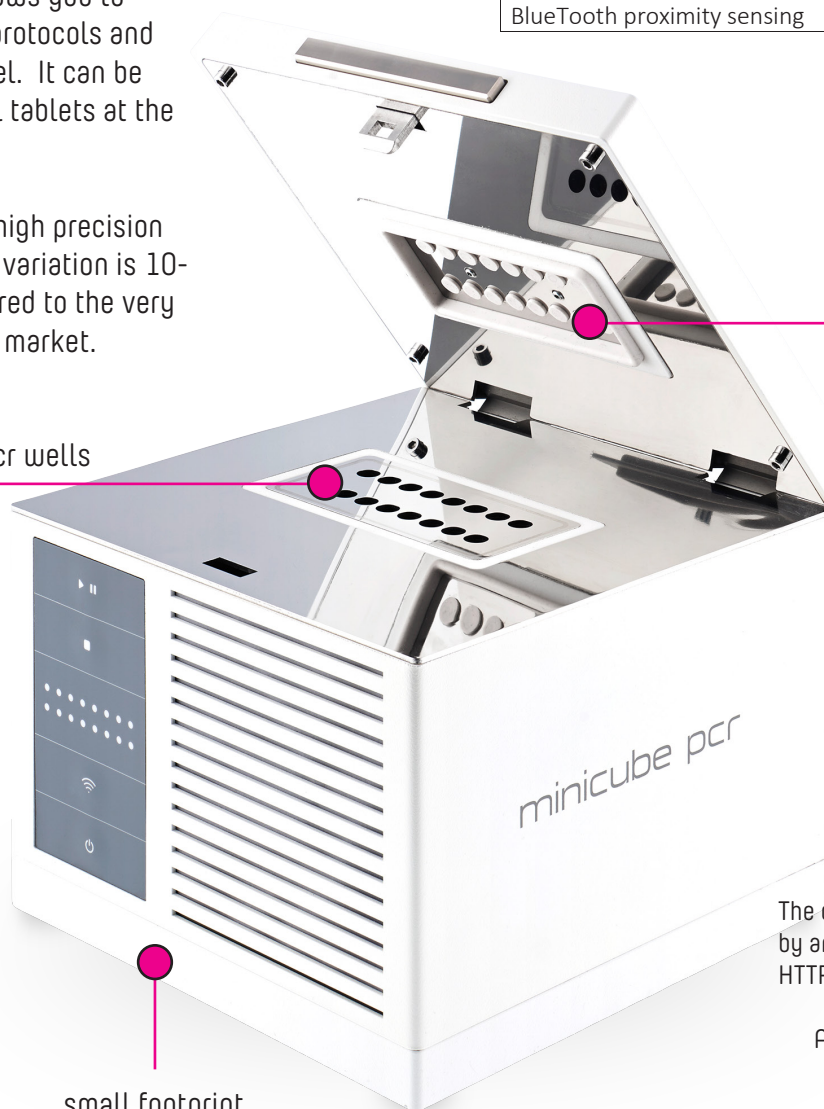
MiniCube PCR thermal specifications	
Number of wells	16
Heating power pr well	6 W
Average speed of heating	6°C/sec
Peek heating speed	12°/sec
Average speed of cooling	4°C/sec
Peek cooling speed	8°C/sec
Ramping uniformity between wells	±0.2 °C/sec
Steady state uniformity between cycles	±0.01°C
Steady state uniformity between wells	±0.02°C
Temperature accuracy at calibration point	±0.1 °C
Temperature precision at calibration point	±0.01°C
Temperature measurement drift	5 ppm pr year
Temperature working range	15-100 °C
Minimum cooling at no activity	4 °C
Minimum cooling at operation	15 °C
Heated lid	12 W
Heated lid temperature range (in initial software release lid temp is fixed to 100 °C as it gives best performance in PCR)	30-115°C

MiniCube Communication	
WIFI (network and access point mode)	2.4GHz
Bluetooth Low Energy	Yes
LAN port	100 Mbit
USB Mini MPZ1, (MPZ0 USB B) port	12 Mbs
USB stick – data backup	Yes
Internal SD Card for data storage	32 GB
Antenna range	120 m
BlueTooth proximity sensing	20 m

The minicube pcr allows you to run any number pcr protocols and incubations in parallel. It can be controlled by several tablets at the same time.

The device has very high precision and the well-to-well variation is 10-30 times less compared to the very best machines in the market.

16 asynchroneous pcr wells



heated lid

small footprint

The device can also be interfaced by any programming language using the HTTP Rest interface.

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