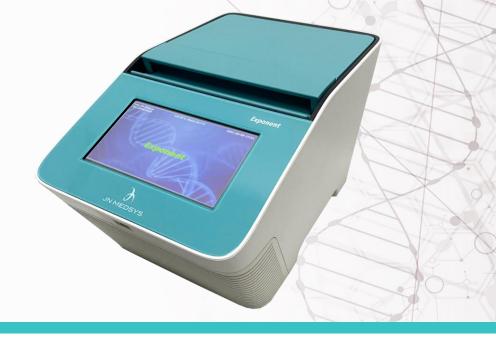


Exponent Thermal Cycler



Exponent is a high-performance 96-well thermal cycler that provides users with all the features required to achieve the most reliable and precise PCR results. It offers a flexible programming and rapid ramp rates of up to 5.5°C/s, allowing faster cycling times and minimizes the overall workflow duration. Users can look forward to high quality and reproducible experimental results with its excellent temperature uniformity and accuracy. The gradient temperature function supports a difference of 1°C to 30°C across the block, allowing rapid and accurate optimization performed with ease. Exponent features a compact footprint and a user-friendly graphical user interface, which makes operation highly intuitive.



GRADIENT OPTIMIZATION

Gradient temperature control ranges from 1 – 30°C enables optimal experimental conditions in a single PCR run



FLEXIBLE RAMP RATE

Range from 0.1 – 5.5°C to meet the requirements of different experimental protocols e.g. CRISPR related assay



ADJUSTABLE LID TEMPERATURE

Can be set between 35 – 120°C for any experiment setup



EASE OF USE

Intuitive Graphical User
Interface (7" VGA Touch Screen)



VERSATILE

Compatible with regular profile or low profile 0.2 mL PCR tubes



QUALITY

Manufactured under ISO 13485 certification

EXPONENT Deep Well

PCR Gradient Thermal Cycler | Accurate and Intuitive

Product Specifications

Technical support: **techsupport@jnmedsys.com**General enquiries: **info@jnmedsys.com**Sales enquiries: **sales@jnmedsys.com**

Functions	Features	Specifications
Sample Block	96 well, Gradient Block	Compatible with regular profile or low profile 0.2 mL PCR tubes
Block Temperature	Block Temperature Range	4.0 – 100°C
	Max. Heating Rate	5.5°C/sec
	Max. Cooling Rate	3.3°C/sec
	Temperature Accuracy	+/- 0.3°C
	Temperature Uniformity Across Block	+/- 0.3°C
	Adjustable Ramp Rate	0.1 – 5.5°C/sec
Gradient Temperature	Gradient Direction	Horizontal across the block
	Gradient Temperature Range	30 − 100°C
	Gradient Temperature Difference	Max. span 30°C
Heated Lid	Temperature Setting Range	35 – 120°C off
	Temperature Accuracy	+/- 1.0°C
General	Test Principle	End-point
	Display	7" colour LCD with touch screen panel
	Data Port	1 x Type-A USB
	Size (H x W x D)	22.5 cm x 24.5 cm x 41.5 cm
	Weight	9.5 kg
	Power Supply	AC 100 – 240 V, 50/60 Hz, 750 W

Ordering Information

Product Name	Description	Catalogue Number
Exponent™ Thermal Cycler	Gradient PCR Thermal Cycler	30032



PCR Gradient Thermal Cycler | Accurate and Intuitive

