


# 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

# Product Specifications

Functions	Features	Specifications
<b>Sample Block</b>	96 well, Gradient Block	Compatible with regular profile or low profile 0.2 mL PCR tubes
<b>Block Temperature</b>	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
<b>Gradient Temperature</b>	Gradient Direction	Horizontal across the block
	Gradient Temperature Range	30 – 100°C
	Gradient Temperature Difference	Max. span 30°C
<b>Heated Lid</b>	Temperature Setting Range	35 – 120°C off
	Temperature Accuracy	+/- 1.0°C
<b>General</b>	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
<b>Exponent™ Thermal Cycler</b>	<b>Gradient PCR Thermal Cycler</b>	<b>30032</b>

EXPONENT Deep Well  
 PCR Gradient Thermal Cycler | Accurate and Intuitive