Amplitronyx™ 4 & 6

Thermal Cyclers

- **High performance**
- **Widest gradient range**
- **Single-screen programming**
- **Flexible platform and consumables**
- **Space-saving design**

Amplitronyx Thermal Cyclers

Bring cutting-edge design and exceptional flexibility to your laboratory with high performance Amplitronyx Thermal Cyclers!

Compact and powerful, Amplitronyx cyclers are incredibly easy to use. Large touch-screens allow you to input your program on a single screen, and thermal blocks can be easily interchanged without tools.

Amplification reactions take place under tightly regulated thermal conditions where samples are guaranteed to stay at the programmed temperature for the entire length of the step. The heated lid minimizes condensation within the sample tube, and the thermal block interior is protected from condensation by unique double-seal construction.

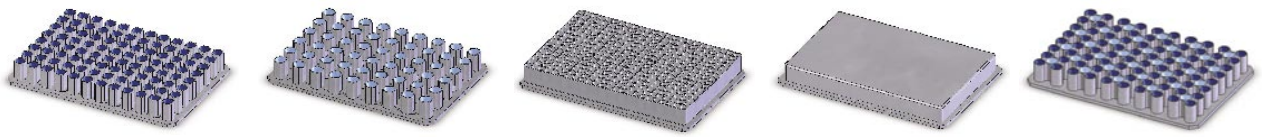
Amplitronyx thermal blocks are engineered with precise attention to well size, shape and placement. Meticulous design and lightweight construction results in faster heating and cooling than that found in standard blocks. Many years of engineering and application expertise ensures extraordinary block uniformity and reproducible performance. Cyclers are backed by first-class technical support and a two-year warranty.

Amplitronyx 4

The Amplitronyx 4 is the most cost-effective option for a powerful, high-performance cycler. Store up to 100 seven-stage/step programs for touchdown and standard amplification in either 0.2 ml or 0.5 ml tubes.

Amplitronyx 6

If experiments require a temperature gradient or the use of multi-well plates, the Amplitronyx 6 offers the widest gradient range available and allows for tool-free swapping of four different thermal blocks. Program a 36°C-wide gradient across the 0.2 ml and 0.5 ml blocks, or increase your throughput and experimental flexibility even more with 384-well and slide blocks. The temperature of the heated lid can be adjusted to suit your protocol, and up to 200 ten-stage/step programs for touchdown and standard amplification can be stored.



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Specifications

Sample Blocks	Amplitronyx™ 4	Amplitronyx™ 6
Capacity	**CombiBlock:** 80 x 0.2 ml tubes or 32 x 0.5 ml tubes	**0.2 ml Gradient Block:** 96 x 0.2 ml tubes or 1x 96-well plate **0.5 ml Gradient Block:** 54 x 0.5 ml tubes **384-Well Block:** 1x 384-well plate **Flat Block:** 4 slides
Temperature	4°C – 99°C	
Heating rate	Up to 3°C /sec	
Cooling rate	Up to 2°C /sec	
Uniformity	±0.5°C within 15 sec	±0.4°C within 15 sec
Material	Nickel-plated aluminum	
Heated Lid		
Temperature	105°C (fixed)	99 – 105°C (adjustable)
Pressure	Spring-loaded	Electromechanical
Programming		
Display/Input	5.7” diag. touchscreen (b&w)	5.7” diag. touchscreen (color)
Number of programs	100	200
Maximum program stages	7	10
Maximum steps per stage	7	10
Gradient software	No	36° range from 30°C– 80°C
Max programmed dwell time	Infinite	
Pause function	Yes	
Temp increments/decrements (Touchdown)	Yes	
Time increments	Yes	
Auto-restart function	Yes	
Run “end time” calculation	Yes	
Temperature control options	Block control and simulated tube control	Block control, active tube control, and simulated tube, plate and slide controls
Working Conditions		
Temperature	Ambient (12°C – 32°C)	
Relative humidity	Up to 80%	
Power requirements	533W at 115/230VAC +/- 10% and 50/60Hz	
Physical Characteristics		
Cycler Dimensions (W x D x H)	10 x 10 3/4 x 10 inches (250 x 274 x 250 mm)	
Shipping Dimensions	13 1/2 x 13 1/2 x 12 inches (34 x 34 x 30 cm)	
Shipping Weight	26 lbs (12 kg)	

Ordering Information

Catalog #	Description
A4C	Amplitronyx™ 4 Thermal Cycler with CombiBlock
A62	Amplitronyx™ 6 Thermal Cycler with 0.2 ml Gradient Block
A65	Amplitronyx™ 6 Thermal Cycler with 0.5 ml Gradient Block
A63	Amplitronyx™ 6 Thermal Cycler with 384-well block
A6F	Amplitronyx™ 6 Thermal Cycler with Flat Block
A6-P	Optional Printer for Amplitronyx™ 6
A6-B2	0.2 ml Thermal Block for Amplitronyx™ 6
A6-B5	0.5 ml Thermal Block for Amplitronyx™ 6
A6-B3	384-Well Thermal Block for Amplitronyx™ 6
A6-BF	Flat Block for Amplitronyx™ 6

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