

Routine PCR, elevated

MiniAmp Thermal Cyclers

Applied Biosystems™ MiniAmp™ Plus and MiniAmp Thermal Cyclers deliver the reliability you've come to expect from Applied Biosystems™ technology now for routine PCR at every lab bench.

- **Compact design**—fits in everyone's lab space at just 7.5 in (19 cm) wide
- **Cloud-enabled**—conveniently access your instrument anytime, anywhere with Thermo Fisher Connect

The Applied Biosystems™ MiniAmp™ Plus Thermal Cycler features a VeriFlex Block for easy PCR optimizations. If PCR optimization is not part of your routine PCR, the Applied Biosystems™ MiniAmp™ Thermal Cycler has an isothermal block for basic PCR.



Secure remote access with cloud-enabled instruments

The ProFlex, SimpliAmp, and MiniAmp Thermal Cyclers are cloud-enabled instruments, allowing you secure, private access with a Thermo Fisher Connect account. Anywhere, anytime, with any mobile device or desktop computer you can:

- Design and share protocols
- Schedule an instrument
- Start or stop a run
- Check run status



Find out more at thermofisher.com/miniamp



Did you know?

Most Applied Biosystems thermal cyclers come with a two-year standard warranty and a starter kit that includes Applied Biosystems PCR plate and tube samples and all the tools you need. Packages that include the instrument, an extended warranty, and consumables are available. Visit the instrument webpage to view packages available.

Specifications

	MiniAmp Plus Thermal Cycler	MiniAmp Thermal Cycler
Block format	96-well, 0.2 mL 3-zone VeriFlex Block	96-well, 0.2 mL isothermal block
Max block ramp rate*	3.5°C/sec	3.0°C/sec
Max sample ramp rate*	2.7°C/sec	2.2°C/sec
Temperature accuracy	±0.25°C (35–99.9°C)	
Temperature range	0–100.0°C	
Temperature uniformity	<0.5°C (30 sec after reaching 95°C)	
Temperature calibration	Calibrated to standards traceable to the National Institute of Standards and Technology	
Dimensions (H x W x D)	20 x 19 x 39 cm (7.9 x 7.5 x 15.4 in.)	
Weight	5.9 kg (13.0 lb)	
PCR volume range	10–100 µL	
Instrument memory	2,000 MB onboard memory (capacity for >1,000 protocols); USB port for additional external storage	
Display interface	5-inch color TFT LCD	
Power	100–240 V, 50–60 Hz, max. 500 W	
VeriFlex Blocks	3 temperature zones, 20°C range (10°C zone-to-zone)	N/A
Data connectivity**	Cloud or mobile via Ethernet or WiFi	

* At reaction volume of 1 µL.

** The Instrument Connect app, available at Apple™ and Google™ app stores, can be used to monitor your instrument. Thermo Fisher Connect can be used to create and share protocols, schedule an instrument, and start and monitor runs remotely.

Ordering information

Product	Cat. No.	Instrument + 5-year warranty with Rapid Exchange Cat. No.
MiniAmp Plus Thermal Cycler	A37835	A38077
MiniAmp Thermal Cycler	A37834	A38081
High-Power USB Wi-Fi Module	A26774	N/A
Recommended plastics		
96-well block	Cat. No.	
MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates with Barcode	4483354	
MicroAmp Optical 96-Well Reaction Plate	N8010560	
MicroAmp TriFlex 3 x 32-Well PCR Reaction Plate	A32811	
MicroAmp 32-Well Clear Adhesive Film	A32812	
MicroAmp 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589	
MicroAmp Clear Adhesive Film	4306311	



Want to learn more about thermal cycler ramp rates and how they are calculated? Visit thermofisher.com/ramprate