

Elegantly simple and precise

SimpliAmp Thermal Cycler

The Applied Biosystems™ SimpliAmp™ Thermal Cycler is an easy-to-use, compact, and accurate thermal cycler designed to fit every lab's essential PCR workflow. Features like a responsive color touch screen and VeriFlex temperature control technology enable simple, accurate optimization. Plus, the SimpliAmp Thermal Cycler is cloud-enabled, giving you the freedom to design and securely upload your methods, monitor runs, and check instrument availability from any mobile device or desktop computer with Thermo Fisher Connect.

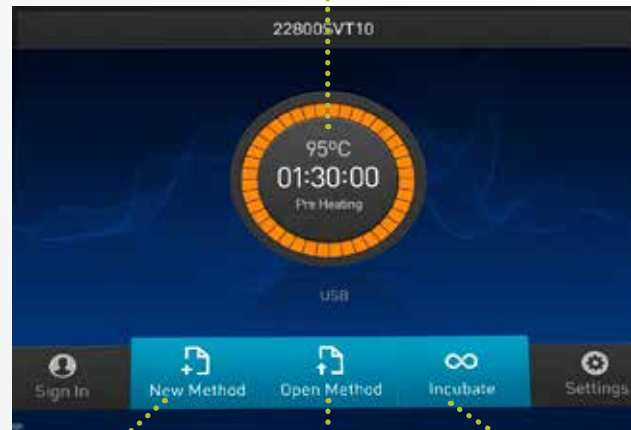
- **Intuitive interface**—large, easy-to-use color touch screen for easy programming and quick status checks
- **VeriFlex Blocks**—three independent temperature zones for PCR optimization
- **Cloud-enabled**—conveniently access your instrument anytime and from anywhere with Thermo Fisher Connect
- **Compact design**—helps save bench space

Simple, intuitive user interface

The SimpliAmp Thermal Cycler has an 8-inch color touch screen, making navigation of the intuitive menu options fast and efficient.



The status dial displays the current block temperature and elapsed run time.



Create a new run method using default templates or existing methods.

Select one of your existing run methods to start a run.

Use the instrument as a precise incubator for non-PCR workflows.

Specifications

Block format	96-well, 0.2 mL 3-zone VeriFlex Block	
Features	<ul style="list-style-type: none"> • Enabled to run Fast chemistry • Controllable ramp rate • Program overwrite protection 	<ul style="list-style-type: none"> • Auto restart (after power outages) • Edit program during experiment • One-touch incubation
Max block ramp rate*	4°C/sec	
Max sample ramp rate*	3°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)	21.0 x 24.0 x 46.0 cm (8.3 x 9.5 x 18.1 in.)	
Weight	8.3 kg (18.3 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	8-inch color TFT LCD	
Power	100–240 V, 50–60 Hz, max. 600 W	
VeriFlex Blocks	3 temperature zones, 20°C range (10°C zone-to-zone)	
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.
SimpliAmp Thermal Cycler	A24811	A27603
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	



Did you know?

MiniAmp, SimpliAmp, ProFlex, and Veriti Thermal Cyclers have thermal simulation modes that make the transition from other thermal cyclers simple, accurate, and efficient. A library of modes that mimic the ramp rates of other instruments is available on each instrument.

Find out more at thermofisher.com/simpliamp