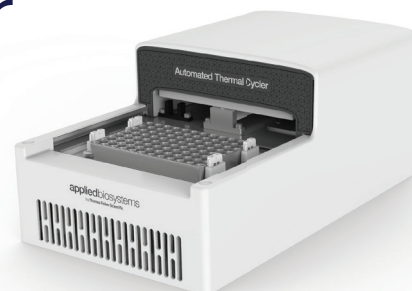


Automated Thermal Cycler

Designed for easy robotic integration

Key features of the Applied Biosystems™ Automated Thermal Cycler (ATC)

- Ultrareliable instrument, in an ultrasmall footprint
- Compatible with SiLA Rapid Integration™ standards*
- Compatible with full- and half-skirted plates



Instrument specifications	
Block format**	96-well, 0.2 mL block, compatible with full- or half-skirted plates
PCR volume range**	10–100 µL for full-skirted plates; 20–100 µL for half-skirted plates
Hardware integration features	<ul style="list-style-type: none"> • Predrilled mounting and/or alignment points at each corner of the chassis • 3-side and top plate access • Available in 3 connector configurations
Software features	<ul style="list-style-type: none"> • Application programming interfaces (APIs) available for integration with robotics systems • SiLA software standardized programming access* • Free software available for instrument demonstration and stand-alone operation
Block module dimensions (H x W x D)	13.3 x 17.9 x 31.7 cm
Control module dimensions (H x W x D)	7.0 x 25.7 x 33.1 cm
Temperature accuracy	±0.25°C (35.0–99.9°C)
Max block ramp rate†	3.5°C/sec
Max sample ramp rate†	1.8°C/sec
Temperature range	4–105°C (no condensation risk with sub-ambient temperatures)
Temperature uniformity	≤0.50°C (20 sec after reaching 95°C)
Temperature calibration	Calibrated to standards traceable to the National Institute of Standards and Technology (NIST)
Service options	<ul style="list-style-type: none"> • 2-year standard warranty includes rapid exchange service • NIST-traceable temperature probe equipment available
Weight	9.4 kg total (block module 6.0 kg, control module 3.4 kg)
Power	100–240 V, 50–60 Hz, max 600 W
Flexible ramp rates	Program your own ramp rates, or use preprogrammed simulation modes (including the Applied Biosystems™ GeneAmp™ PCR System 9700 Thermal Cycler)
Data connectivity	LAN
Cat. Nos.	<ul style="list-style-type: none"> • ATC 96-Well System, laptop, 1 m cable A31486 • ATC 96-Well System, laptop, 3 m cable A31487 • ATC 96-Well System, laptop, 10 cm cable A31488 • ATC 96-Well System, 1 m cable A31489 • ATC 96-Well System, 3 m cable A31490 • ATC 96-Well System, 10 cm cable A31491 • ATC Semi-skirted Adaptor A33044 <p>Consumables:</p> <ul style="list-style-type: none"> • MicroAmp EnduraPlate Optical 96-Well Full-Skirted Plates with Barcode, Clear (500 plates/pack) A31732 • MicroAmp EnduraPlate Optical 96-Well Full-Skirted Plates with Barcode, Clear (50 plates/pack) A31728

* sila-standard.org

** ATC Semi-skirted Adaptor required for use with half-skirted 96-well plate.

† Reaction volume at 1 µL.

Find out more at thermofisher.com/atc