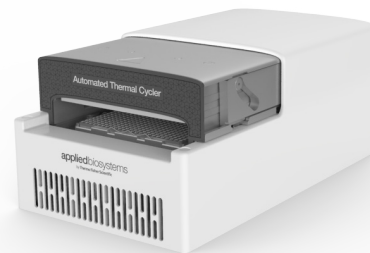


# Automated Thermal Cycler

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	Automated Thermal Cycler 96-well	Automated Thermal Cycler 384-well
Block format	0.2 mL block, compatible with full- or half-skirted plates**	0.02 mL block, compatible with full-skirted plates
PCR volume range	10–100 µL for full-skirted plates; 20–100 µL for half-skirted plates	5–20 µL for full-skirted plates
Hardware integration features	<ul style="list-style-type: none"> <li>• Predrilled mounting and/or alignment points at each corner of the chassis</li> <li>• 3-side and top plate access</li> <li>• Available in 3-connector configurations</li> </ul>	
Software features	<ul style="list-style-type: none"> <li>• Application programming interfaces (APIs) available for integration with robotics systems</li> <li>• SiLA Rapid Integration software—standardized programming access*</li> <li>• Free software available for instrument demonstration and stand-alone operation</li> </ul>	
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	2.8°C/sec
Max sample ramp rate†	1.8°C/sec	1.6°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"> <li>• 2-year standard warranty includes rapid exchange service</li> <li>• NIST-traceable temperature probe equipment available</li> </ul>	
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	
Data connectivity	LAN	

\* sila-standard.org

\*\* ATC half-skirted adaptor required for use with half-skirted 96-well plates. ATC ships with the full-skirted adaptor installed, which is required for use with full-skirted 96-well plates.

† Reaction volume at 1 µL.

## Ordering information

Products	Cat. No.	Cat. No.	
<b>96-well system</b>		<b>384-well system</b>	
<ul style="list-style-type: none"> <li>• ATC 96-Well System, laptop, 1 m cable</li> <li>• ATC 96-Well System, laptop, 3 m cable</li> <li>• ATC 96-Well System, laptop, 10 cm cable</li> <li>• ATC 96-Well System, 1 m cable</li> <li>• ATC 96-Well System, 3 m cable</li> </ul>	<ul style="list-style-type: none"> <li>A31486</li> <li>A31487</li> <li>A31488</li> <li>A31489</li> <li>A31490</li> </ul>	<ul style="list-style-type: none"> <li>• ATC 384-Well System, laptop, 1 m cable</li> <li>• ATC 384-Well System, laptop, 3 m cable</li> <li>• ATC 384-Well System, laptop, 10 cm cable</li> <li>• ATC 384-Well System, 1 m cable</li> <li>• ATC 384-Well System, 3 m cable</li> </ul>	<ul style="list-style-type: none"> <li>A33977</li> <li>A33978</li> <li>A33979</li> <li>A33980</li> <li>A33981</li> </ul>
<b>Consumables:</b>			
<ul style="list-style-type: none"> <li>• Applied Biosystems™ MicroAmp™ EnduraPlate™ Optical 96-Well Full-Skirted Plates with Barcode, Clear (500 plates/pack)</li> <li>• MicroAmp EnduraPlate Optical 96-Well Full-Skirted Plates with Barcode, Clear (50 plates/pack)</li> </ul>	<ul style="list-style-type: none"> <li>A31732</li> <li>A31728</li> </ul>	<ul style="list-style-type: none"> <li>• Applied Biosystems™ MicroAmp™ EnduraPlate™ Optical 384-Well Clear Reaction Plates with Barcode (20 plates/pack)</li> <li>• MicroAmp EnduraPlate Optical 384-Well Clear Reaction Plates with Barcode (500 plates/pack)</li> </ul>	<ul style="list-style-type: none"> <li>4483285</li> <li>4483273</li> </ul>

Find out more at [thermofisher.com/atc](http://thermofisher.com/atc)