



# THERMAL CYCLERS



- Exceptional Flexibility: Multiple program options and reaction formats
- Reliable Performance 15+ years of engineering expertise ensures extraordinary block uniformity
- Superior Value: Wide range of features for an affordable price
- Singlescreen Programming: Large, easytoread touchscreen shows entire protocol at once

Adjustable Heated Lid: Allows proper sealing of plates, tubes and slide chambers

Temperature Control Options: Block measurement or calculated algorithm

OnScreen Timer: View program progress at a glance

Small Footprint: Saves space for other materials

2Year Warranty: Backed by firstclass tech support [ATC 401 Thermal](#)

[Cycler](#)



Gradient of 20°C

100 programs (7 steps/stage, 10 stages/program)

◆ Four interchangeable thermal blocks for 0.2 ml tubes, 0.5 ml tubes, strip

tubes, 96well plates, 384 well plates, and slides

Easy programming of temperature and time increments or decrements

Optional printer available

[ATC 201 Thermal Cycler](#)

Single thermal block for highvolume coverage in 0.2 ml or 0.5 ml tubes  
60 programs (5 steps/stage, 5 stages/program)

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## Thermal Cycler Specifications

Sample Blocks	ATC 201	ATC 401
Capacity	<b>CombiBlock:</b> 80 x 0.2 ml tubes or 32 x 0.5 ml tubes	<b>0.2 ml Gradient Block:</b> 96 x 0.2 ml tubes or 1x 96-well plate <b>0.5 ml Gradient Block:</b> 48 x 0.5 ml tubes or 96 x 0.2 ml tubes <b>384-Well Block:</b> 1x 384-well plate <b>Flat Block:</b> 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	
<b>Heated Lid</b>		
Temperature	105°C	
Pressure	Spring-loaded	Electromechanical adjustment
<b>Programming</b>		
Display/Input	5.7" diag. touchscreen (b&w)	5.7" diag. touchscreen (color)
Number of programs	60	100
Maximum program stages	5	10
Maximum steps per stage	5	7
Gradient software	n/a	20° range from 30°C– 70°C
Max programmed dwell time	Infinite	
Pause function	Yes	
Temp increments/decrements (Touchdown)	No	Yes
Time increments/decrements	No	Yes
Auto-restart function	No	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
<b>Working Conditions</b>		
Temperature	Ambient (12°C – 32°C)	
Relative humidity	Up to 80%	
Power requirements	550W at 115/230V a.c. +/- 10% and 50/60Hz	
<b>Physical Characteristics</b>		
Dimensions (W x D x H)	10 x 13 x 8" 254 x 30 x 203 mm	
Shipping Weight	26 lbs (11.8 kg)	

## Ordering Information

Catalog #	Description
ATC201	ATC 201 Thermal Cycler with CombiBlock
ATC4012	ATC 401 Thermal Cycler with 0.2 ml Gradient Block
ATC4015	ATC 401 Thermal Cycler with 0.5 ml Gradient Block
ATC4013	ATC 401 Thermal Cycler with 384-well block
ATC4014	ATC 401 Thermal Cycler with Flat Block
AP006	Optional Printer for ATC 401 Thermal Cycler
ATB02	0.2 ml Thermal Block for ATC401
ATB05	0.5 ml Thermal Block for ATC401
ATB03	384-Well Thermal Block for ATC401
ATB04	Flat Block for ATC401