

**Benchmark** Scientific 

# TC-32

Mini Thermal Cycler

***Small in size, big in features...***



- + **Capacity for 32 x 0.2ml tubes**  
*4x8 format also accepts tube strips*
- + **Intuitive touch screen control**  
*Works even when wearing gloves*
- + **Extremely easy to use**  
*Familiar, icon driven programming*
- + **Compact Size**  
*9 x 7 inch footprint*

"Mini sized" doesn't have to mean a sacrifice on features and performance. Benchmark's TC-32 Mini Thermal Cycler retains the advanced programming features, easy to use software and fast, reliable cycling of the larger TC-9639 Thermal Cycler, but with a smaller block and lower price point.

Designed for lower throughput needs, the TC-32 Mini Thermal Cycler has a capacity for 32x0.2ml tubes. The wells are arranged in a 4x8 format, allowing the block to accept strips of 8 as well as individual tubes. The block heats and cools very quickly - at rates as fast as 5°C/second. A proprietary algorithm controls block temperature, bringing samples quickly to the target temperature without any over- or under-shoot. Excellent block uniformity ensures consistency sample to sample.

Operation of the thermal cycler is controlled from the large, full color, touch screen. Icon driven menus allow users to get running quickly. Programming is extremely simple and includes options for time and temperature increment/decrements, adjustable ramp rates, and an auto pause and restart functions. More than 100 typical programs can be stored in memory and easily recalled. After a run, samples can be held at 4°C. An on-screen report is also available at the completion of a run.

The heated lid is self adjusting - the spring loaded platen in the lid comes firmly into contact with the tops of the tubes to prevent sample evaporation and condensation. **There are no knobs to turn or levers to adjust.** The temperature of the heated lid can be changed or the heating function of the lid may be turned off.

With a footprint less than that of the average laboratory notebook, the TC-32 Mini Thermal Cycler will fit almost anywhere. Its reduced capacity block and economical price make the TC-32 Mini Thermal Cycler the perfect choice for lower throughput laboratories and educational facilities.



### Technical Data:

Capacity:	32
0.2ml tubes:	32
Strip tubes:	4 x 8 tube strips
Temp. control range:	0°-99.9°C
Temp. control:	Simulated sample or block
Accuracy/uniformity:	±0.25°C/±0.25°C
Ramp rate - heating:	5°C/second
-cooling:	4°C/second
Lid temp.:	30°-112°C, user adjustable
Program memory:	Over 100 typical programs
Increments/decrements:	Yes, time and temperature
Power supply:	Universal, 100-240V, 50-60Hz
Dimensions (W x D x H):	7.2 x 9.2 x 6.2 in.
	18.2 x 23.2 x 15.7 cm
Weight:	6.4 lbs / 2.9 kg
Warranty:	2 years

### Ordering Information

T5005-3205\* TC-32 Mini Thermal Cycler  
\*Supplied with US plug. For EU plug, please add (-E) to item number.

### Also available:



### TC-9639 Thermal Cycler

- \*Intuitive touch screen control
- \*Quick and easy programming
- \*Multiformat block:
  - 96x0.2ml tubes
  - 39x0.5ml tubes
  - 1 x96 well plate

**Benchmark offers a full line of Accuris PCR Reagents including Taq Polymerase, Hot Start Taq Polymerase, Taq Plus, High Fidelity Polymerase and a Mammalian Genotyping Kit. Ask your Benchmark dealer for details.**