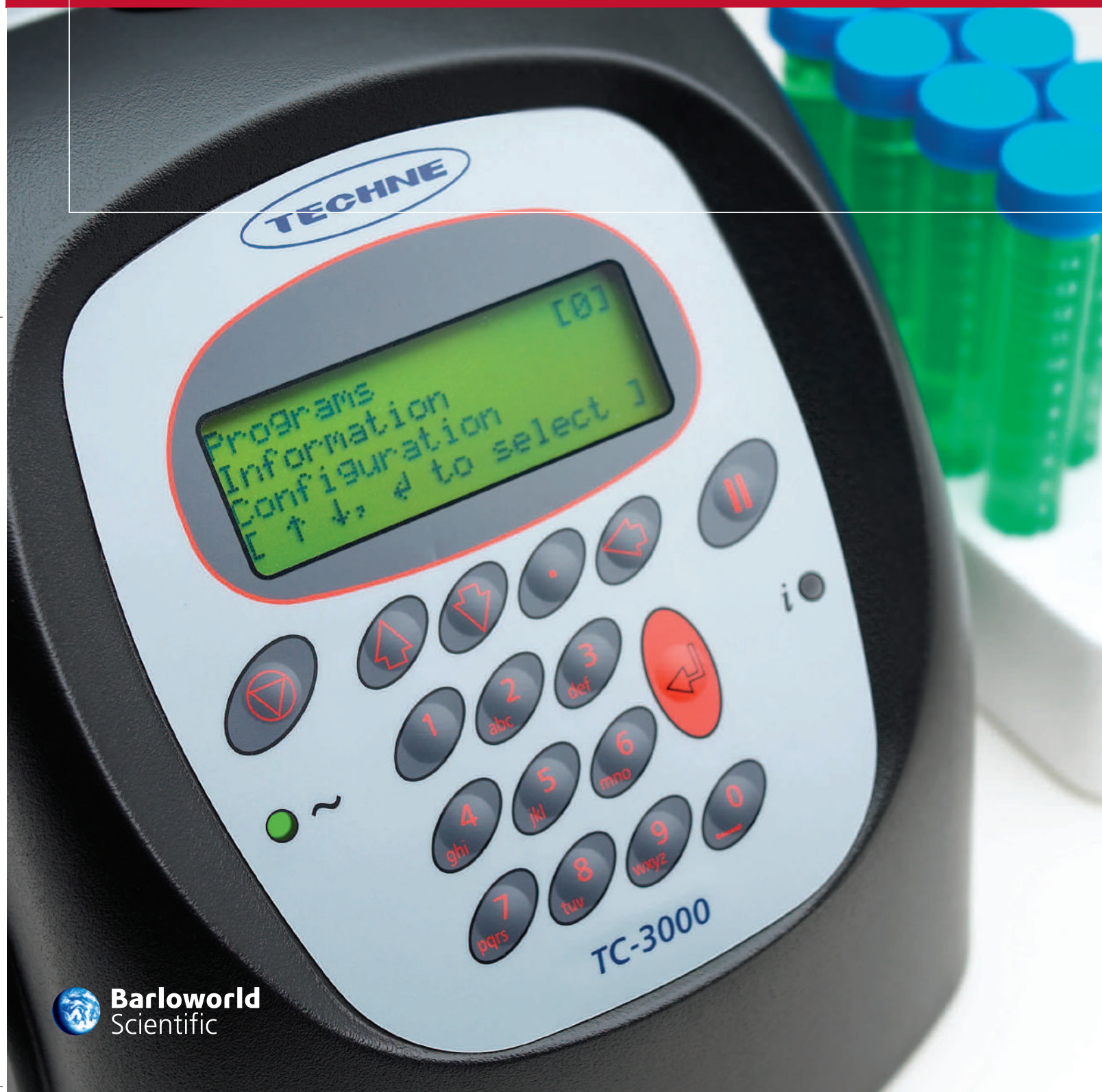




## TC-3000 Thermal Cycler

proven performance for DNA amplification



**Barloworld**  
Scientific



# TC-3000 thermal cycler

The TC-3000 thermal cycler is unrivalled as a reliable, low cost personal cycler. Designed with research and teaching laboratories in mind, the TC-3000 offers the ultimate in low cost solutions where ease of use is high on the priority list.



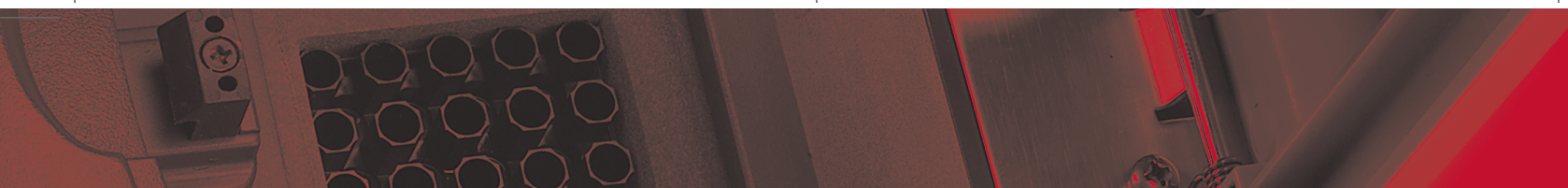
Techne TC Thermal Cyclers enjoy a well-earned reputation for accuracy and reliability and are in everyday use in laboratories around the world. Compact, robust and versatile, the range includes models to suit every application and budget.

The new TC-3000 is one of the smallest, lowest cost units on the market. It is available as a stand alone unit in 25 x 0.2 ml or 20 x 0.5 ml microtube interchangeable block formats.

- Unparalleled block uniformity: typically  $\pm 0.1^{\circ}\text{C}$  at  $50^{\circ}\text{C}$ , ensuring optimal reproducibility.
- Fast heating rate: up to  $3.6^{\circ}\text{C}/\text{sec}$  for quick thermal cycling.
- Small footprint: at only  $611\text{ cm}^2$ , the TC-3000 is even economical on space.
- Fast and intuitive programming with large memory; features quick dial and password protection.
- Heated lid with selectable temperature range from  $100^{\circ}\text{C}$  to  $115^{\circ}\text{C}$  is sprung to fit both 0.2ml domed and 0.5ml flat top tubes and can be enabled or disabled.







Graph showing the typical uniformity across the block at 50°C set point on a Tecne thermal cycler compared to competitors' cyclers.



#### Small footprint

The TC-3000 is one of the smallest units on the market. With a benchtop footprint of only 33cm x 17cm, this compact unit is very light and has a variable voltage selector so you can take it with you anywhere in the world.

#### Fast-track programming with new quick dial facility

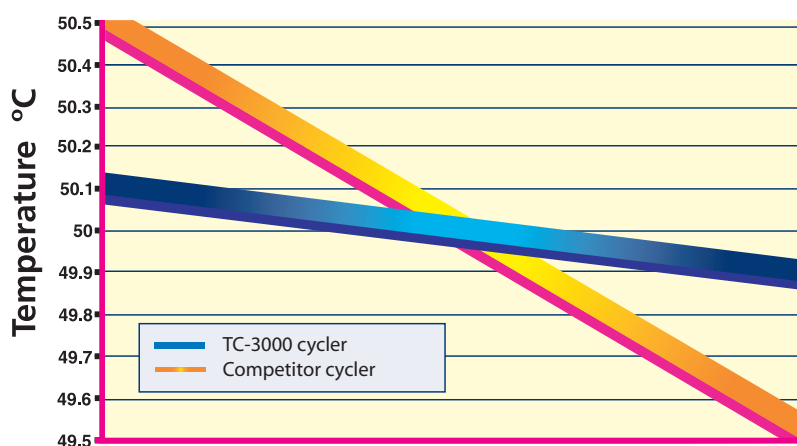
With modern, intuitive programming and ready-to-go templates, creating even the most complicated protocols is simple. A new 'quick' dial feature allows users to find their programme quickly.

#### Reliable, high performance

Experience in thermal cycler manufacturing since 1987 ensures that the TC-3000 provides both guaranteed performance and quality results, every time.

#### Fast heat / cool rates

Utilising the latest Peltier technology, the TC-3000 heats and cools at rates up to 3.6°C / second without compromising on accuracy.



# TC-3000 thermal cycler

## Technical and ordering Information



### Technical Specification

Sample capacity (0.5ml)	20
Sample capacity (0.2ml)	25
User interchangeable blocks (tool required)	Yes
Heating rate	3.6°C/sec
Block uniformity at 50°C	±0.1°C
Temperature range	4°C to 99°C
Temperature set point precision	0.1°C
Selectable heated lid temperature	100°C - 115°C
Heated lid enable/disable	Yes
Over-temperature cut-out	Yes
Number of programs	80
Password protection	Yes
Programming / display	4-line alphanumeric
Peltier elements / blocks	4
Dimensions L x W x H (mm)	330 x 185 x 190
Connection to PC (RS232)	Yes (via Gensoft)
Power	230V / 120V

### Ordering information

Code	Description
FTC3/02	Thermal cycler TC3000, 25 x 0.2ml capacity
FTC3/05	Thermal cycler TC3000, 20 x 0.5ml capacity
Accessory blocks	
FTC3/02/B	Block, 25 x 0.2ml
FTC3/05/B	Block, 20 x 0.5ml

Aspects of the PCR process are claimed in US Patent Nos. 4,683,202, 4,965,188 and foreign counterparts. Use of the Techne device in such process does not convey a licence to practice the processes themselves.

