



**TECHNE**

## Techne® Prime Elite Networkable Thermal Cycler

Networkable PCR system

5.7" colour touchscreen

Intuitive software

Three block options available

Gradient calculator

Tm calculator

Interchangeable blocks

Touch Interface

4 year warranty



## Introduction

Prime Elite is the new high-performance networkable thermal cycler from Techne®. Equipped as standard with all the latest features including a large 5.7" colour touchscreen, fast ramp rates, an innovative front-loading PCR plate drawer, automatic non-motorised heated lid, TERST™ thermal energy recovery system and a unique space-saving, stackable design. Prime Elite and Prime Elite Satellites can be combined to form a multi-block network with the Satellites controlled from either a PC or the Prime Elite. Temperature gradient capability and 4 year warranty is included as standard.

## Clever communications

Each Prime Elite thermal cycler can control up to 3 satellites via rear facing USB ports. Alternatively, Prime Elite Satellites can be controlled independently via a PC. Cables and software are provided as standard. Prime Elite also contains a front-facing USB port which allows easy program transfer between instruments or via a PC. At least 1000 programs can be stored on each Prime Elite with unlimited storage on USB sticks, ideal for multi-user laboratories. The Prime Elite USB ports also facilitate free software updates, which are available to download from the Techne® website.

## Watch your network grow

Individually...

Add a Satellite...

Add some more...



## Specifications

Sample capacity: 0.2ml	96
Sample capacity: 0.5ml	60
Sample capacity: 384-well	Yes
Block temperature range	4 to 100°C*
Block uniformity at 50°C	<±0.3°C
Temperature accuracy at 50°C	<±0.2°C
Gradient range	4 to 100°C*
Maximum gradient	30°C
Minimum gradient	1°C
Gradient calculator	Yes
Pre-run sample cooling	Yes at 4°C
Maximum heating rate	5°C/s
Selectable heated lid temperature	35 to 115°C or off
Over-temperature cut-out	Yes

Regulated heated lid pressure	Automatic
Program interface	5.7" VGA colour touch screen graphical display
Maximum number of programs	1000 stored
Password protection	Yes
Auto re-start on power failure	Yes
Connection to PC control software	Yes
T <sub>m</sub> primer calculator	Yes
Dimensions (w x d x h), mm	276 x 375 x 312
Weight, kg	14
Voltage	100-230V, 50-60Hz
Power	950W

\*Minimum temperature is 4°C or 20°C below ambient; whichever is higher.

4 year warranty for the Prime Elite thermal cycler

## Workbench PC software

Techne® Workbench PC software provides the ability to connect up to 4 Prime Elite Satellite thermal cyclers to one PC, eliminating the need to program each thermal cycler independently. The intuitive on-screen layout means creating and storing programs could not be simpler. The Workbench status screen shows the current position of any protocol, the time remaining to completion and real-time temperature countdown for each cycler connected.

## Control up to four satellites with a computer...



## Key features

- Latest 5.7" colour touchscreen provides optimal brightness and clarity
- Well-designed intuitive software allows fast and simple program setup
- Three block options are available 96 x 0.2ml, 60 x 0.5ml and 384-well. Each block has gradient capability as standard and can be easily interchanged by the user without the need for special tools.
- Fast 5°C/sec ramp rate and low energy consumption is facilitated by TERS™, Thermal Energy Recovery System, which stores heat produced from each cooling phase to use in the next heating phase
- A mechanical front-loading plate mechanism operates the heated lid which is brought down onto the PCR tubes or plate with an even 75 newton force to ensure optimum function and minimal evaporation
- Prime Elite is a low noise, high speed, high-throughput, networkable PCR system
- Double, triple and quad PCR machines are created by adding satellites in a space-saving, stackable design. A 4-block system requires only 56cm of bench space.
- Front-facing USB port facilitates easy program transfer and software updates
- Rear-facing USB connectivity allows simple networking of instruments
- A powerful processor drives seamless software performance and fast startup
- On-board gradient calculator and T<sub>m</sub> calculator
- Advanced electrical power filter improves robustness by smoothing electricity fluctuations
- 4 year warranty as standard

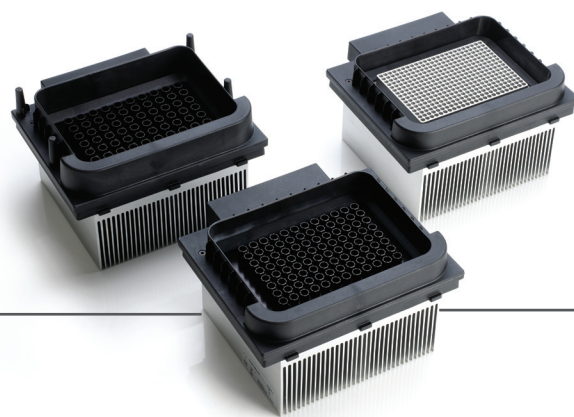
## Ordering information

Description	Product Code
Prime Elite thermal cycler, 96 x 0.2ml	ELITE/02
Prime Elite thermal cycler, 60 x 0.5ml	ELITE/05
Prime Elite thermal cycler, 384 well	ELITE/384
Prime Elite satellite thermal cycler, 96 x 0.2ml	ELITESAT/02
Prime Elite satellite thermal cycler, 60 x 0.5ml	ELITESAT/05
Prime Elite satellite thermal cycler, 384 well	ELITESAT/384

## Interchangeable blocks

Blocks are easily exchanged by the user in a matter of seconds without the need for special tools.

Description	Product Code
Prime Elite block, 96 x 0.2ml	ELITE/02/B
Prime Elite block, 60 x 0.5ml	ELITE/05/B
Prime Elite block, 384 well	ELITE/384/B





## Contact

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