

Simple to use, technologically advanced solution for thermal cycling

- Accurate temperature control for optimal PCR performance
- Gradient capability for rapid protocol optimisation
- Outstanding well to well uniformity for reproducible PCR performance
- High definition 1/4 VGA display for enhanced user-friendliness
- Keypad with functional softkeys for easy software navigation

- Multiple interchangeable block options for flexible choice of sample size
- Software designed for easy editing and protocol manipulation
- Adjustable heated lid for flexible choice of consumable type

The Px2 Thermal Cycler is the most advanced and reliable personal thermal cycler developed by Thermo Electron to date. Designed to offer performance, accuracy and simplicity

in thermal cycling, the Px2 Thermal Cycler incorporates a number of customer driven features built on years of PCR experience. The Px2 Thermal Cycler is an excellent choice for scientists using PCR* as an integral technique in their laboratories.

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"...the new standard!"



**Thermo Electron's Px2
Thermal Cycler – reliable PCR performance**

* The polymerase Chain Reaction (PCR) is covered by US patents, which are owned by F. Hoffman-La Roche Ltd.

Thermo Electron's Px2 Thermal Cycler – reliable PCR performance

Key Features

Accurate Temperature Control

Optimal performance of PCR protocols can be obtained by utilising one of our active or simulated temperature control methods. These monitor, then efficiently adjust the heating or cooling of the 8 peltiers in the PCR block in accordance with either the block temperature or, preferentially, the temperature of the sample itself.

Gradient Capable

Gradient protocols are a useful way to simultaneously set a range of different annealing temperatures for PCRs on new primer and template combinations. The optimal annealing temperature can then be rapidly determined by on board gradient calculation software. Once optimised, our outstanding well-to-well uniformity ($\pm 0.3^{\circ}\text{C}$ within 30 seconds) ensures reproducible results when conditions are transferred to your standard protocol.

High Definition – 1/4 VGA Display

Control of the Px2 centres on the large, high definition 1/4 VGA display. The screen is designed to improve user-friendliness by providing detailed information about the status of the system, in graphical or text format, with minimal user intervention.

Keypad with Functional Soft Keys

Programming and navigating through the various Px2 screens is made easy with the introduction of the new keypad design and functional soft keys.

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Multiple Interchangeable Block Options

The Px2 provides excellent flexibility in sample format for multi-user laboratories. Six interchangeable block options ensure that you need only purchase additional blocks rather than a complete thermal cycler should your requirements change.

User-friendly Software

Day-to-day use of the Px2 is made even easier by the integration of the new user-friendly software. Running, editing and general protocol manipulation can be performed with limited keystrokes and minimal scrolling between screens.

Adjustable Heated Lid Design

Our heated lid design is simple to operate. In one action, the lid is closed and the heated plate lowered to the correct height. Increased pressure and temperature have been incorporated to ensure ultimate flexibility in choice of sample format and sealing options.

Variable Speed Fan

To cut down on laboratory noise, we have introduced a variable speed fan. The fan is designed to efficiently dissipate excess heat but only activates when needed.



Product Codes

Code	Description
HBPX2	Px2 chassis
HBPXBG02	0.2ml gradient block
HBPXBG05	0.5ml gradient block
HBPXB02	0.2ml standard block
HBPXB05	0.5ml standard block
HBPXFB	Flat block
HBPXB384	384 block

Specification Table

Block uniformity	$\pm 0.3^{\circ}\text{C}$ within 30 seconds
Ramping speed	up to 3°C / second heating, 2°C / second cooling
Precise control	0.1°C
Block temperature range	$4 - 99^{\circ}\text{C}$
Power	550 W
Weight	9 kg
Size (w x d x h)	240mm x 390mm x 280mm
Display	1/4 VGA (320 x 240)
Ports	RS 232
Programs	99
Blocks	96 well 0.2ml (standard and gradient), 96 well 0.5ml (standard and gradient) 384 well, <i>in situ</i> flat block

HBPROMPX20603

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