



**Cleaver**  
Scientific Ltd

EXPERTS IN ELECTROPHORESIS

**PERSONAL  
THERMAL  
CYCLER**

**TYPICAL  
APPLICATIONS**

Polymerase chain reaction (PCR)  
amplification of segments of DNA.  
Hot Start PCR.  
Reverse transcription PCR (RT-PCR).

**FEATURES:**

- Microprocessor control with digital performance
- LCD display
- Automatic pressure adjusting heated lid

**TECHNICAL  
SPECIFICATIONS**

Sample Capacity	25 (5 x 5) x 0.2ml tube
Temperature Control Range	4°C to 110°C
Lid temperature Control Range	Ambient +5°C to 110°C
Block Homogeneity	20°C to 72°C < + 0.3°C
Control Accuracy	+0.2°C
Heating Rate	3°C / s
Cooling Rate	2°C / s
Display	2.6" LCD
Program	Reverse transcription program Link program: multi-loop available; up to 5 Steps per Loop: up to 9 Cycle number: up to 99 Program storage: up to 100 Increment and decrement temperature per step on each cycle
Increment And Decrement Time Per Step On Each Cycle	Yes
Rated Voltages	110 V / 220 V selectable
Unit Dimension (W x L x H)	7.87" x 12.62" x 7.48" (200 x 320.5 x 190 mm)
Unit Weight	18.9 lb (8.6 kg)
Stackable	Yes



# Personal Thermal Cycler

The Cleaver Scientific PTC25 is an automated instrument designed for advanced Polymerase chain reaction (PCR) and associated applications. The automatic pressure adjusting heated lid minimizes condensation and allows excellent control in Hot Start thermal cycling reactions. The PTC25 also contains a Reverse Transcription (RT) program function, which allows simple and convenient one-step RT by combining the RT program with a stored amplification reaction. Another feature of the PTC25 is the highly flexible and intuitive program editing, which allows researchers to set up an amplification program containing

different temperature ramping conditions within the individual loops and steps. The advanced programming capabilities also offers the flexibility to create an advanced amplification program which could increase/decrease temperatures and hold them for a designated time for an assigned step from cycle to cycle. The small size and competitive pricing make it suitable for a individual instrument ownership for added convenience.

**ORDERING  
INFORMATION**

PTC25	Personal thermal cycler that can run 25 samples
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