

Precision Range

Standard Features

Controls

- Microprocessor PID control of temperature to 0.1°C.
- Overtemperature safety cutout is set digitally.
- Overtemperature visual warning.
- Large LED digital display.

Construction

- High quality stainless steel chamber.
- CFC-free insulation.
- Toughened inner glass doors.

Optional Extras

- Chart recorder.
- Audible alarm.



The Precision Incubator Range combine traditional styling with modern controls for advanced temperature control.

Construction

All precision incubators have stainless steel chambers, adjustable shelves and a toughened inner glass viewing door. The outer cabinet is rust-resistant and finished in white paint. Two 12mm access ports are provided so that cables for shakers or monitoring probes can be passed into the incubator.

Heating

The heating mat has a profiled element to eliminate all 'hot-spots'. Polyurethane insulation is foamed in situ to help ensure optimum temperature control. Operation of the incubator at or below room temperature can be achieved when the cooling coil is connected to a source of chilled water (eg Model C3 recirculating cooler).

Temperature Control

All models have gentle fan-assisted air circulation via full-width ducts to ensure optimum temperature stability throughout the chamber. When the incubator door is opened, the fan stops so that any heat loss is kept to a minimum.

Specification

Precision Incubators	P2*	P3*	P33
Temperature Range	At least 5°C above ambient to +60°C*		
Control	Typically $\pm 0.1^\circ\text{C}$ at +37°C		
Variation	$\pm 0.25^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	$\pm 1.0^\circ\text{C}$
Recovery	Approx. 3 mins	Approx. 4 mins	Approx. 6 mins
Chamber Capacity (litres)	150	320	730
Shelves Supplied	4	6	6
Dimensions - H x W x D - mm			
External	880 x 635 x 660	1550 x 635 x 660	1550 x 1270 x 660
Internal	590 x 510 x 490	1275 x 510 x 490	1275 x 1140 x 490
Power Rating (watts)	450	480	600
Nett Weight (kg)	75	120	225

The microprocessor PID temperature controller maintains the set temperature to within 0.1°C. The easy to use, tamper proof temperature controller shows both 'set' and 'measured' values. Indicator lamps show when the heater is active and if an overtemperature condition exists. The independent overtemperature safety cutout is easily set by the user.

Dual temperature cycling between two preset temperatures is an optional extra on all models.

* Temperature up to +90°C to special order. Order ref: /H
Control near or below ambient requires a recirculating cooler.