

Technical datasheet

Single-Door Humidity-Controlled Growth Chambers

Humidity-controlled growth chambers with six illumination levels up to 15000 lx, 0-60 °C settings without light and 10-60 °C with light.



Representative exterior; dimensions and supplied shelves follow the selected model. The external water tank is not shown.

Key features

- 0-15000 lx illumination in six levels
- 30-segment programming with 99 cycles
- Standard heated humidifier and external water tank

Standard Configuration

Coated steel cabinet, mirror stainless steel chamber, adjustable shelves, compressor refrigeration, circulating air, glass inner observation door, mechanical lock and top test port. LCD controller includes an overtemperature alarm, parameter memory, power-restoration function and RS-485 interface. Heated humidification with an external water tank is standard. An independent fresh-air unit is not specified as supplied.

Optional Accessories

Confirm additional shelves, accessories, electrical supply and combined temperature/light/humidity conditions in the quotation. UV, USB, audit trail, software and validation services are not specified as standard.

Technical Information

Parameter	Value
Temperature range: lights off	0-60 °C
Temperature range: lights on	10-60 °C
Temperature resolution	0.1 °C
Temperature fluctuation	±0.5 °C
Temperature uniformity at 37 °C	±1.5 °C
Illuminance: six selectable levels	0-15000 lx
Timer range	0-9999 min
Program segments / cycles	30 / 99
Top test port: ID / OD (mm)	30 / 60
Listed humidity control range	60-90%
Listed humidity fluctuation	±5%

Technical Information

Model	Input power (W)	Shelves: supplied / maximum
PT-PGC-005	2100	4 / 7
PT-PGC-006	2500	4 / 7
PT-PGC-007	2500	4 / 7

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-PGC-005	480 × 480 × 1100	710 × 775 × 1770
PT-PGC-006	540 × 520 × 1100	770 × 815 × 1770
PT-PGC-007	554 × 610 × 1148	783 × 905 × 1818

Selection / Ordering Information

Specify the PRECETTA model, samples, temperature with lights on or off, illumination and shelf arrangement. Confirm utilities, installation and the final configuration before ordering.