

Technical datasheet

85 °C Programmable Laboratory Incubator Series

Programmable fan-circulated incubators with 40-1001 L chambers, ambient +5 to 85 °C control and model-specific thermal tolerances.



Representative exterior view. Cabinet dimensions, observation-door design and shelf quantities vary by model; consult the specification table.

Key features

LCD controller: 10 segments and 100 cycles

Six fan-speed settings

Standard RS-485 interface

Standard Configuration

Stainless steel chamber, adjustable shelves, LCD temperature/timer controller, 10-segment/100-cycle programming, six fan speeds, RS-485, overtemperature alarm and power-restoration memory. The observation window is documented only for PT-INC-038 to PT-INC-041; glazing on the three larger models requires confirmation.

Optional Accessories

Confirm additional shelves and any required accessories in the quotation. Lighting, UV lamps and software are not listed as supplied.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 85 °C
Temperature resolution	0.1 °C
Electrical supply	AC 220 V $\pm 10\%$ / 50 Hz $\pm 2\%$
Timer range	0-9999 min/h

Model	Chamber volume (L)	Input power (W)	Shelves: supplied / maximum
PT-INC-038	40	300	2/4
PT-INC-039	77	450	2/5
PT-INC-040	142	450	3/7
PT-INC-041	234	750	3/10
PT-INC-042	452	1000	4/18
PT-INC-043	655	1500	4/18
PT-INC-044	1001	2250	4/18

Technical Information

Model	Temperature fluctuation	Temperature uniformity
PT-INC-038	$\pm 0.5\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 1\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)
PT-INC-039	$\pm 0.5\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 1\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)
PT-INC-040	$\pm 0.5\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 1\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)
PT-INC-041	$\pm 0.5\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 1\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)
PT-INC-042	$\pm 0.8\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 2\%$
PT-INC-043	$\pm 0.8\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 2\%$
PT-INC-044	$\pm 0.8\text{ }^{\circ}\text{C}$ (37 $^{\circ}\text{C}$)	$\pm 2\%$

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-INC-038	350 × 330 × 350	640 × 556 × 505
PT-INC-039	450 × 380 × 450	740 × 606 × 605
PT-INC-040	550 × 470 × 550	840 × 696 × 705
PT-INC-041	600 × 520 × 750	890 × 746 × 905
PT-INC-042	600 × 580 × 1300	774 × 845 × 1704
PT-INC-043	720 × 650 × 1400	865 × 866 × 1730
PT-INC-044	1100 × 650 × 1400	1220 × 850 × 1730

Selection / Ordering Information

Specify the model, sample or application, working temperature and required shelf arrangement. Confirm electrical supply and the final configuration before ordering.