

Technical datasheet

Refrigerated Orbital Shaking Incubators

Refrigerated incubators with an orbital shaker, 0-70 °C control, 20 mm shaking amplitude and adjustable shaking up to 220 rpm.



Representative exterior view. The shaker is inside the cabinet; dimensions, shelves and flask capacity vary by model.

Key features

30 segments and 99 cycles

Six fan speeds and variable-speed refrigeration

Glass inner door, lock and two test ports

Standard Configuration

Stainless steel chamber, LCD controller, 30 segments and 99 cycles, six fan speeds, glass inner door, mechanical lock, screen password, two 30 mm test ports, variable-speed refrigeration, overtemperature alarm and power-restoration memory. An internal 220 V auxiliary socket is listed; this is not a mains-supply specification. Observation lamp supplied. Orbital shaker with 20 mm shaking amplitude and adjustable speed up to 220 rpm.

Optional Accessories

Confirm flask fixtures and any additional shelves in the quotation. Listed flask capacities are alternative arrangements, not simultaneous loads. Software and validation services are not standard.

Technical Information

Parameter	Value
Temperature range	0-70 °C
Temperature resolution	0.1 °C
Temperature fluctuation: heating	±0.5 °C
Temperature fluctuation: cooling	±0.7 °C
Uniformity at 37 °C	±1 °C
Timer range	0-9999 min/h
Maximum shaking speed	220 rpm
Shaking amplitude	20 mm
Load per shelf	15 kg

Model	Input power (W)	Shelves: supplied / maximum	Shaker assembly dimensions (mm)
PT-INC-021	1050	2/4	420 × 320 × 200
PT-INC-022	1150	4/6	420 × 320 × 200
PT-INC-023	1400	4/6	500 × 500 × 200

Technical Information

Model	Flask capacity: mL × quantity
PT-INC-021	100×14 / 250×9 / 500×5 / 1000×4 / 2000×2
PT-INC-022	100×14 / 250×9 / 500×5 / 1000×4 / 2000×2
PT-INC-023	100×30 / 250×16 / 500×12 / 1000×9 / 2000×4

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-INC-021	510 × 390 × 760	650 × 680 × 1400
PT-INC-022	510 × 450 × 1090	650 × 740 × 1726
PT-INC-023	600 × 640 × 1050	745 × 930 × 1695

Selection / Ordering Information

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