

Technical datasheet

Heated Benchtop Orbital Shaking Incubators

18-70 L benchtop orbital shaking incubators with 30-300 rpm operation, a 30 mm orbit diameter and temperature settings from ambient +5 to 60 °C.



Representative exterior and vessel holders. Cabinet size, platform motion and listed standard vessel configuration follow the selected model; pictured holders do not define the supplied quantity.

Key features

PID temperature control and LCD display

Single-axis drive with brushless DC motor

Parameter lock, memory and power-restoration operation

Standard Configuration

PID controller, LCD display, single-axis drive, brushless DC motor, one shaking platform, timer, parameter lock and memory, power-restoration function, gradual starting and audible/visual overtemperature alarm with automatic power interruption. Listed standard vessel configurations are shown by model; confirm whether glassware and holders are included in the final delivery.

Optional Accessories

Alternative vessel capacities describe separate platform arrangements, not simultaneous loads. Confirm the selected holder configuration, vessel dimensions and final delivery. No software, audit-trail, lighting or UV function is stated as standard.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 60 °C
Shaking speed	30-300 rpm
Orbit diameter	30 mm
Temperature adjustment precision	±0.1 °C
Temperature uniformity at 37 °C	±1 °C
Timer range	0-999 min / h
Electrical supply	AC 220 V / 50 / 60 Hz

Model	Chamber volume (L)	Input power (W)	Listed standard vessels (mL × count)
PT-SHK-001	18	500	250 × 5
PT-SHK-002	45	500	250 × 8
PT-SHK-003	70	500	250 × 10

Technical Information

Model	Platform dimensions (mm)	External dimensions (mm)
PT-SHK-001	290 × 260	470 × 450 × 420
PT-SHK-002	400 × 370	620 × 600 × 520
PT-SHK-003	440 × 390	750 × 750 × 510

Model	Alternative maximum vessel configurations (mL × count)
PT-SHK-001	50 × 9 / 100 × 9 / 250 × 6
PT-SHK-002	50 × 23 / 100 × 23 / 250 × 13 / 500 × 9 / 750 × 6 / 1000 × 4
PT-SHK-003	50 × 31 / 100 × 31 / 250 × 15 / 500 × 10 / 1000 × 6

Selection / Ordering Information

Specify the PRECETTA model, vessel size and quantity, shaking motion, speed and operating temperature. Confirm vessel retention, electrical supply and delivery configuration before ordering.