Technical datasheet

Heated Horizontal Orbital Shaking Incubators

Horizontal orbital shaking incubators for laboratory cultivation, with 30-300 rpm operation and a 7-inch touchscreen.

Representative taller horizontal cabinet. Compact variants have a lower chamber; model-specific dimensions and holders are listed. Internal lighting, gas and humidity functions depend on the selected model.

Key features

30 program segments and 999 cycles

User permissions, event audit records and USB export

Observation light; UV and printer optional

Standard Configuration

7-inch touchscreen, forced-air circulation, 30 program segments and 999 cycles, scheduled start, user permissions, event records, historical data and USB export. Standard observation light, mechanical door lock, brushless motor with gradual start, door-open shaking stop and alarm functions.

Optional Accessories

Optional: UV lamp, reciprocating motion, printer, alternative flask holders, spring holders, sticky plate, tube racks, SMS alarm module and monitoring platform. Confirm selected accessories and supplied glassware; alternative full-load arrangements are separate choices.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 60 °C
Temperature resolution	0.1 °C
Temperature fluctuation at 37 °C	±0.3 °C
Temperature uniformity at 37 °C	±1 °C
Orbital speed	30-300 rpm
Speed accuracy	±1 rpm
Timer range	0-9999 min / h
Electrical supply	AC 220 V ±22 V / 50 Hz
Shaking platforms	One platform

Model	Input power (W)	Orbit diameter
PT-SHK-027	1100	26 mm
PT-SHK-028	1200	26 mm
PT-SHK-029	1400	26 mm

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Model	Platform dimensions (W × D, mm)	Standard holder arrangement (mL × count)
PT-SHK-027	950 × 530	500 × 20
PT-SHK-028	950 × 530	2000 × 6
PT-SHK-029	970 × 605	2000 × 8

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-SHK-027	1010 × 590 × 310	1260 × 730 × 850
PT-SHK-028	1010 × 590 × 470	1350 × 700 × 1000
PT-SHK-029	1035 × 675 × 470	1380 × 800 × 1010

Model	Alternative maximum flask loads (mL × count)
PT-SHK-027	50 × 71 / 100 × 71 / 250 × 45 / 500 × 37 / 1000 × 18
PT-SHK-028	50 × 71 / 100 × 71 / 250 × 45 / 500 × 37 / 1000 × 18 / 2000 × 15 / 3000 × 8 / 5000 × 7
PT-SHK-029	50 × 103 / 100 × 103 / 250 × 63 / 500 × 41 / 1000 × 22 / 2000 × 15 / 3000 × 11 / 5000 × 7

Selection / Ordering Information

Specify the PRECETTA model, working temperature, speed, flask sizes and holder arrangement. Confirm accessory supply and final configuration before ordering.