

Shaking Incubator

BT220

Operating temp. range RT +5~80°C

Temp. distribution accuracy ±0.1°C

Shaking Width 20mm

Shaking frequency 20 to 160 times/min.

Specifications

Product code	221135
Model	BT220
Operating temp. range*1	RT+5 to 80°C
Temp. adjustment accuracy*1	±0.05°C (at 40°C)
Temp. distribution accuracy*1	±0.1°C (at 40°C)
Temp. rising time*1	Approx. 40min (from 23°C to 80°C)
Shaker motor	Geared motor, 25W
Shaking frequency setting	Analog setting/Scale display, No-step speed control: 20 to 160 times/min
Shaking width	20mm
Number of test tube/flask	Test tube: φ16.5mm×72 pcs Flask: 100mL×5 pcs, 200mL×4 pcs, 300mL×3 pcs, 500mL×1 pc
Controller	PID digital setting / Display Fixed operation, Timer operation (Auto stop, Quick auto stop, Auto start)
Stirrer	Water jet stirring, Induction motor
Heater	1.2 kW, Copper pipe nickel plated
Safety functions	Automatic heating, Sensor disconnection, Over current electric leakage breaker, No-liquid heating prevention float switch, Independent overheat protector
Internal dimensions	W224×D328×H200mm 14.7L
Shaking rack dimensions	W200×D186×H175mm
External dimensions*2	W280×D459×H450mm
Interior	Stainless steel
Power (50/60Hz)	AC115V/AC220V Single phase with step-down transformer
Weight	Approx. 19kg
Accessory	Shaking rack

*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load)

*2 Do not include protrusions

Compact design and easy-to-use shaking incubator water tank.

- The number of shakes can be adjusted at any number in the range from 20 to 160 times/min using a knob.
- The product is equipped with a shaking ON/OFF switch and can be used as an incubator water tank without shaking.
- Temperature may be set digitally with the up/down key. In addition, high precision temperature control as well as the shaking function in the bath with a pump allows higher temperature distribution accuracy.
- This product is compact but yet holds up to 72 test tubes of 16.5 diameter or three 300ml erlenmeyer flask.
- The product has an improved safety which is equipped with dual overheat preventive device and no-liquid heating preventive device and an over current electric leakage breaker.



Shaking rack



* Test tubes are sold separately.

Shaking Unit

BN300

Shaking Width 10 to 30mm changeable

Shaking frequency 20 to 160 times/min.

Specifications

Product code	221506
Model	BN300
Shaking times	20 to 160 times/min.
Shaking width	10 to 30mm changeable
Shaking frequency setting / Display method	Digital setting / Digital display
Shaker motor	Condenser motor, 25W
Safety devices	Motor overload, Power fuse
Number of test tube/flask	Test tube: φ15mm×80 pcs Flask: 300mL×6 pcs, 500mL×3 pcs
Spring Pitch	15mm pitch (square)
External dimensions	W340×D644×H250mm
Power (50/60Hz)	AC115V/AC220V Single phase with step-down transformer
Weight	Approx. 10kg

The length of the power cord is about 2m outside the unit.

- This unit can be operated with Water Bath (Model: BQ, BV, BK, BA or the other baths if the capacity is suitable) for shaking purposes with easy put-on and take-off.
- Loaded with "Shaking Width Changeable Function" with digital setting and display.



Combination example



- ① Shaking Unit, BN300
- ② Constant temp. water bath, BK400



- ① Shaking unit, BN300
- ② Immersion Constant Temp. Device, BF401
- ③ Testing bath, BZ301

