

# Orbital Shaker-Incubator

## TOS20



### Description:

- ◆ TOS20 Orbital Shaker-Incubator is a compact bench-top Shaker-Incubator used for mixing of biological liquids as well as for incubation and cultivation of biological liquids according to the operator set program. Seven interchangeable platforms allow it mix and culture samples in flask, petri dish, tubes, Elisa plates, and etc. Built-in microprocessor thermo controller provides constant temperature control in the incubator chamber. It is extremely easy to operate, with very straightforward setup of temperature, speed and time.

### Features:

- ◆ Instantly display operation information(time, temperature and speed) on the LCD screen.
- ◆ Gentle and reliable shaking with direct brushless DC motor.
- ◆ Running safely --heating and shaking will be automatically stopped once the lid is open.
- ◆ Seven interchangeable platforms can be chosen for variety demands.
- ◆ Auto restart in case of power failure.
- ◆ Over-heating protection device is included.
- ◆ Built-in temperature calibration function.
- ◆ Compact, only 421mmx320mm(DXW).

### Parameters:

Project	Parameters
Temp. setting range	0°C~60°C
Timing range	1min ~ 99h59min/∞
Display accuracy	0.1°C
Shaking range	50~300rpm
Heating time	≤15min(from 25°C to 60°C)*
Load capacity	4.0kg
Auto resume to run	Yes
Voltage	AC110 or AC220V/50-60HZ
Dimension(mm)	421x320x338

Project	Parameters
Temp. control range	RT.+5°C~60°C
Temp. accuracy	±0.5°C(@37°C)
Temp. uniformity	±0.5°C(@37°C)
Orbit	20mm
Platform dimension	230x230mm
Internal chamber height	182mm
Power	350W
Fuse	250V 3A Φ5×20
Weight(kg)	18.5

### Optional Platforms:

Type	Description
PF-1	Platform with clamps for 5×250ml conical flask
PF-2	Platform with clamps for 9×100ml conical flask
PF-3	Platform with clamps for 10×50ml tube
PF-4	Platform with clamps for 18×15ml tube

Type	Description
PF-5	Platform with spring holder
PF-6	Platform for 4pcs Elisa plates or deep-well plates
PF-7	Flat platform for 5pcs petri dishes
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