

Thermoshaker Incubator

IG-30T Series



IGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION

IG-C30T Thermo shaker incubator is a comprehensive upgrade to the existing instruments. Different from the common setting of instrument parameters through poly domes, it uses a 4.3-inch color LCD screen combined with a graphical operation interface to give users a better experience. Heating, mixing and cooling for tubes and Plate formats with flexibility for user exchangeable choice of blocks, Various program editing options, such as shaking start time, cycle steps, heating rate, etc., help to find the best experimental conditions.

FEATURES

- ❖ Microprocessor control, good temperature control linearity, accurate shaking speed, small fluctuation
- ❖ DC brushless motor drive, long service life, maintenance-free
- ❖ Excellent performance, peltier driven thermal device for precise temperature control
- ❖ Full power heating can be selected, and the highest 3°C/min heating method can also be selected to prevent the experiment from failing due to uneven temperature changes
- ❖ Optional thermo lid accessories, effectively improve the temperature uniformity in the test tube
- ❖ Optional full power cooling, or up to 1°C/min cooling
- ❖ Multiple block choices, faster block loading and unloading, Various blocks are available, and customized
- ❖ Technology to prevent lid wetting in tubes or cross contamination in wells
- ❖ New designed method of block loading and unloading, blocks can be replaced without tools
- ❖ Open design, more comprehensive program setting
- ❖ Various heating methods, you can choose the appropriate method according to the experimental needs
- ❖ The shaking method can be set according to requirements, and both forward and reverse rotation can be set
- ❖ Program continuous operation function, multiple programs are connected to each other, no need to set repeatedly
- ❖ 4.3-inch color LCD screen display, intuitive and easy to operate
- ❖ Power failure self-recovery function, the device can automatically resume operation according to the original set procedure after power failure recovery
- ❖ Various standard sample blocks are available, and the blocks can be automatically identified
- ❖ The instrument will be equipped with a mobile phone APP for real-time monitoring of instrument status



SPECIFICATIONS

Model	IG-30T	IG-C30T
Display	4.3 inch touch screen (capacitive type)	4.3 inch touch screen (capacitive type)
Temperature control range	RT +5°C~105°C	0°C~105°C
Temperature uniformity	≤0.5°C	≤0.5°C
Timer range	1min~99h59min	1min~99h59min
Temperature control accuracy	±0.5°C(@30-50°C)	±0.5°C(@30-50°C)
Display accuracy	±0.1°C	±0.1°C
Shaking speed	200-3000rpm	200~3000rpm
Heating time (25-100°C)	≤15min (RT 20°C~30°C)	≤15min (RT 20°C~30°C)
Refrigeration time(detected at 25°C ambient temperature)	—	≤20min (Ambient temperature ≤20°C: 20°C~0°C) ≤20min(Ambient temperature ≤25°C:RT~4°C) ≤20min (Ambient temperature ≤30°C:RT~10°C)
Heating rate gear	Max; 3°C/min; 2°C/min;1°C/min; 0.1°C/min	Max; 3°C/min; 2°C/min;1°C/min; 0.1°C/min
Cooling rate gear	—	Max;1°C/min;0.5°C/min;0.1°C/min
Program number	50	50
External port	USB: program related, printer; 7Pin socket: thermo lid	USB: program related, printer; 7Pin socket: thermo lid
Shaking amplitude	3mm	3mm
Dimension(mm)	318x154x220	318x154x220
Blocks	0.5ml tubes, 2ml tubes & 96 well PCR Plate Optional: 0.2 1.5, 5, 15, 50 ml tubes, 384 well plates	
Weight	10kg	10kg