

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. 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, 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 can be customized
- ❖ 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