

# GENAXY<sup>®</sup>

Customer Satisfaction Through Business Ethics



**GENAXY-3-In-One**  
**Thermo Shaker Incubator With Cooling**  
**Heat-Shake-Cool**

## GENAXY-3-IN-One Thermo Shaker Incubator

A highly advanced model with innovatively designed features to provide a better user experience and efficient results with comprehensive upgrade to the existing instrument.

Different from the common setting of instrument parameters through poly domes, it uses a 4-3 inches touch screen combined with a graphical operation interface & various program editing options, such as shaking start time, cycle steps, heating & cooling rate etc.

Convenient module replacement method, only need to flip the module handle to quickly replace the module. In addition, new thermo lid accessories with a magnetic port design can effectively improve the temperature uniformity in the test tube, avoid changes in the concentration of reagents in the test tube caused by liquid evaporation and condensation, and ensure the stability of the reaction conditions.

Will also be able to expand the 4G module, which can monitor and record the operating status of the instrument in real time through the mobile APP, providing a new way for data recording and traceability.

### Quick Block Exchange

- ◀ No tools are needed for block exchange
- ◀ Simply take the flap out at the back of the unit, exchange the block and put the flap back

### Automatic Block Recognition

- ◀ Various standard sample blocks are available, which can be automatically identified with the automatic block recognition feature.

### Direct Program Icon

- ◀ Direct and simply access to the most frequently used mixing/ temperature parameters
- ◀ Freely programmable

### Smallest Footprint

- ◀ Space saving model
- ◀ Remains stable even at maximum shaking speed

### Touch Screen

- ◀ Large 4-3 inches touch screen color display
- ◀ Intuitive and easy to operate
- ◀ Programmable heating and cooling rates.
- ◀ Up to 50 user defined programs can be saved



## Features

### Highly Stable performance with long service life

- ◀ Microprocessor control, good temperature control linearity,
- ◀ accurate shaking speed, small fluctuation
- ◀ DC brushless motor drive, long service life, maintenance-free
- ◀ Built-in over-temperature protection device, more reliable to use

### 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 heating lid accessories, effectively improve the temperature uniformity in the test tube

### Ergonomic design with 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
- ◀ Low-temperature storage function, the program is completed, and the samples can be automatically stored in low-temperature

### Multiple block choices, faster block loading and unloading, no tools required

- ◀ Various blocks are available,
- ◀ New designed method of block loading and unloading, blocks can be replaced without tools



Heating Lid

- ◀ Insulated lid for thermal protection
- ◀ Adjustable height to be used with different volume tubes
- ◀ Can be used with different tube capacities from 0.5ml to 5ml
- ◀ Temperature of hot lid can be set 4 to 20° C above than the block temp.

### Easy Operation better the result

- ◀ 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

## Technical Specifications

Model	GENAXY-3-Minus-One	GENAXY-3-In-One
Display	4.3 inch touch screen (capacitive type)	4.3 inch touch screen (capacitive type)
Temperature control range	RT +5°C~105°C	Ambient -20°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
Weight	10kg	10kg

## Accessories

Catalog No.	Description	Max. Temp	Max. Speed
GEN-81020-A	24 x 0.5mL tubes	105°C	200~2000rpm
GEN-81020-B	24 x 1.5 mL tubes	105°C	200~3000rpm
GEN-81020-C	24 x 2.0 mL tubes	105°C	200~2000rpm
GEN-81020-D	15x0.5mL+ 20X1.5mL tube	105°C	200~2000rpm
GEN-81020-E	8 x5mL tubes	100°C	200~1200rpm
GEN-81020-F	24XΦ12 mm tubes	105°C	200~2000rpm
GEN-81020-G	24 x 1.5ml/2.0ml Cryopreservation tubes	105°C	200~2000rpm
GEN-81020-H	8x15mL tubes (Both flat bottom and cone bottom can be used)	100°C	200~1000rpm
GEN-81020-I	4x50mL tubes (Both flat bottom and cone bottom can be used)	100°C	200~1000rpm
GEN-81020-J	Block lid	—	-
GEN-81020-K	96x0.2mL microplate	105°C	200~3000rpm
GEN-81020-L	96x2mL deepwell plate	105°C	200~1500rpm
GEN-81020-M	96x0.2mL PCR plate	105°C	200~2000rpm
GEN-81020-N	384 PCR plate	105°C	200~3000rpm
GEN-81020-O	96/500 μL deepwell plate	105°C	200~1500rpm
GEN-81020-P	96/1000 μL deepwell plate	105°C	200~1500rpm
GEN-81020-Q	Heating lid	—	—

## Block Accessories



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