

# Dry Bath



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## Mini dry bath

HX-10, HX-10F (air-cooled), mini dry bath (heating) adopt microcomputer control technology. Palm-sized thermostatic metal bath suitable for vehicle power supply. Small in size, light in weight and easy to move, it is especially suitable for outdoor, market or crowded experimental environment.

### Product features

- Instant temperature display, time decrease display;
- 12V DC power input, built-in overtemperature protection device, suitable for car power;
- Super automatic fault detection and buzzer alarm function;
- It has the function of temperature deviation calibration;
- Convenient module replacement, easy to clean and disinfect;
- Unique temperature control technology, 5 program design, each program can be opened and closed independently, it can also be combined flexibly according to requirements;
- With the function of setting data display and current data display of each parameter, customers can see at a glance;
- The F air-cooled type is equipped with a high-speed DC fan, which can quickly cool the module or sample.

### Technical parameters

Model	HX-10	
Item No	1006001001	HX-10F
Cooling Mode	Natural cooling	1006002001
Standard module	2 ml * 15 holes Rapid cooling	
Temperature control range	Room temperature + 5 °C to 100 °C	
Heating time (from 20°C to 100°C) (min)	≤15	
Temperature control precision (°C)	±0.3	
Temperature stability@40°C (°C)	±0.3	
Temperature stability@100°C (°C)	±0.3	
Temperature display accuracy (°C)	0.1	
Timing setting	0-100H or continuous (set time to 0 means continuous work)	
Temperature range (°C)	0~100	
Power (w)	50	
Size (LxWxH) (mm)	150x100x135	
Programming function	5 groups	
Input power	IAC: 100-240V switching power supply converts 12V DC, supports DC-12V car power	
Optional module	M1, M2, M3, M4, M5	



### ▶ Replaceable module

M1

Item No.:20060001  
Specification: 40x0.2ml centrifuge tube (Applicable to 8x0.2ml continuous test tube)



M2

Item No:20060002  
Specification: 24x0.5ml centrifuge tube



M3

Item No:20060003  
Specification: 15x2.0ml centrifuge tube



M4

Item No:20060004  
Specification: 6x15ml centrifuge tube (The insulation cover cannot be closed)



M5

Item No:20060005  
Specification: 12x5.0ml centrifuge tube



## Dry thermostatic dry bath

Constant temperature Dry Bath, a constant temperature Dry Bath product manufactured by microcomputer control technology and semiconductor refrigeration technology can be equipped with a variety of modules, which can be widely used in sample preservation, preservation and reaction of various enzymes, denaturation treatment of nucleic acids and proteins, PCR reaction, electrophoresis pre-denaturation and serum coagulation, etc.

HX01-HX20  
(All high temperature modules can be matched with \*2 pieces)



HX-20L/HX-20



HX-20G/HX-20G2

### Product Features

- LCD display, man-machine friendly touch operation interface;
- Microcomputer temperature controller, accurate temperature control, while displaying real-time temperature and constant temperature countdown time;
- Powerful programmable function implements multi-point temperature control, up to 5 temperature points and constant temperature time setting and continuous operation;
- Metal modules to prevent samples from contamination;
- Metal modules can be easily replaced, easy to clean and disinfect;
- Temperature deviation calibration function; built-in over-temperature protection device;
- Automatic fault detection and buzzer alarm function;
- Beautiful appearance, blue LIQUID crystal display instant parameter information, touch operation interface.

### Technical Parameters (Remarks: For details of optional modules, please refer to 71 page module options)

Model	HX-20 (Heating type)	HX-20L (Heating and cooling type)	HX-20G (Single module high temperature)	HX-20G2 (Dual module high temperature)
Item No	1006003001	1006004001	1006005001	1006006001
Temperature range (°C)	RT+5~100	-10~100	RT+5~150	RT+5~150
Size (mm)	270×190×190	270×190×190	255×200×120	288×220×120
Packing Size	335×335×250	335×335×250	335×335×250	335×335×250
Net weight (kg)	2	3.5	3.8	5
Gross weight	3.5	5	5.5	6.5
Voltage	AC220V,50/60Hz	AC220V/120V,50/60Hz	AC220V,50Hz	AC220V,50Hz
Power (w)	150	250	200	400
Standard module	Hole 35 * 2.0 (ml)		24holes*2 (ml)	24holes*2 (ml)
Optional module	HX-A,B,C,D,E,F,G,H,J,K,L,M,N		HX01-HX20	HX01-HX20 (All high temperature modules can be matched with *2 pieces)
Time setting	0~99h99min (Set the time to 0 to work continuously)			
Module temperature uniformity (°C)	≤±0.3			
Display accuracy (°C)	0.1			
Temperature control precision (°C)	±0.5			
Heating time (min)	≤15(20°C to 100°C)			
Multiple points running	Support (up to 5 points)			
Heating mode	Heating film			
Fuse	250 V 3A Φ 5× 20			

## Intelligent constant temperature dry bath

This instrument is a thermostatic product manufactured by using microcomputer control and semiconductor refrigeration technology. It can heat, cool, keep at a constant temperature and operate in a cycle mode according to the requirements to replace the traditional water bath device. The instrument adopts a compact design and small size. , Various modules can be configured according to the size of test tube.



HX-20LS



HX-20S

### Product Features

- The operation is simple and convenient, the large display screen , the real-time and setting parameters are displayed, and the portable module replacement is convenient for cleaning and disinfection;
- All icons are displayed dynamically, which is more user-friendly;
- Powerful programmable function implements multi-point temperature control, up to 5 temperature points, setting of temperature and constant temperature time and continuous operation;
- Automatic fault detection and buzzer alarm function;
- Temperature deviation calibration function, optional USB or PC communication function;
- The transparent heat preservation cover is made of high-temperature PC environmental protection material, integrated design to prevent loss, built-in over-temperature protection device, multiple safety protection functions, in line with CE safety standards, safe and reliable.

### Technical Parameters

Model	HX-20S	HX-20LS
Item No	1006010001	1006011001
Temperature Set Range	-10~100C	-10~100°C
Temperature Control range	RT+5~100°C	-10~100°C
Display mode	4.3 inch high-definition capacitive screen	4.3 inch high-definition capacitive screen
Control mode	Full screen TFT touch	Full screen TFT touch
End or failure alarm prompt function	yes	yes
Temperature calibration function	yes	yes
Temperature or time dynamic display function	yes	yes
Computer or upper computer control	Optional USB port	Optional USB port
Input Power	200-240V /50 60Hz 1.0A(110V available)	200-240V /50 60Hz 1.0A(110V available)
Time Setting	1min-99h59min	1min-99h59min
Control Accuracy	or continuously operation	or continuously operation
Display accuracy	≤±0.5C	≤±0.5C
Module temperature uniformity	0.1C	0.1C
Heating time	≤±0.3	≤±0.3C
Cooling function	≤15MIN(20C~100C)	≤15MIN(20C~100C)
Multi-point combination programming function	/	≤15MIN(100C~20C)
Standard centrifuge tube module	YES(Max to 5 sets)	YES(Max to 5 sets)
Optional centrifuge tube module	2ml*35holes	2ml*35holes
Temperature control method	HX-A,B,C,D,E,F,G,H,J,K,M,N	HX-A,B,C,D,E,F,G,H,J,K,M,N
input power	PI Heating film	PI Heating film
Fuse	150W	250W
Exterior Dimensions	250V 3A 5*20	250V 3A 5*20
Package dimensions	280*210*180mm 340*265*240mm	280*210*180mm 340*265*240mm

## Shaking thermostatic dry bath

The constant temperature integrates three functions of mixing, shaking, incubation heating and the concept of intelligent operation. Not only can it mix all kinds of microtubes, PCR plates, deep well plates and microwell plates and other common laboratory consumables, but also have the function of heating and incubating various modules.

### Product Features

- LCD display, man-machine friendly touch operation interface;
- Microcomputer temperature controller, accurate temperature control, while displaying real-time temperature and constant temperature countdown time;
- Powerful programmable function implements multi-point temperature control, up to 5 temperature points and constant temperature time setting and continuous operation;
- Metal modules to prevent samples from contamination;
- Metal modules can be easily replaced, easy to clean and disinfect;
- Temperature deviation calibration function; built-in over-temperature protection device;
- Automatic fault detection and buzzer alarm function;
- Beautiful appearance, blue LIQUID crystal display instant parameter information, touch operation interface.



HX-20TL



HX-20T

### Technical Parameters (Note: For details of optional modules, please see the optional module on page 71)

Model	HX-20T (Heating type)	HX-20TL (Heating and cooling type)
Item No	1006007001	1006008001
Temperature range (°C)	RT+5~100	0~100(test at ambient temperature ≤20°C)
Time setting	0-99h59min (Set the time to 0 to work continuously)	0-99min59min (Set the time to 0 to work continuously)
Module temperature uniformity (°C)	±0.3	±0.3
Temperature control precision (°C)	±0.5	±0.5
Display accuracy (°C)	0.1	0.1
Oscillation speed (rpm)	200~1800	200~1800
Amplitude of oscillation (mm)	2-3 (horizontal rotation)	2-3(horizontal rotation)
Heating time (min)	≤15 (25 up to 100°C)	≤15 (25 up to 100°C)
Multiple points running	Support (up to 5 points)	Support (up to 5 points)
Heating mode	Heating film	Heating film
Fuse	250 V 3A Φ 5× 20	250 V 3A Φ 5× 20
Size (mm)	270×190×190	270×190×190
Packing Size	335×335×250	335×335×250
Net weight (kg)	8	9.5
Gross Weight	9.5	11
Power supply	AC220V,50Hz	AC220V/120V,50/60Hz
Power (w)	200	250
Standard module (ml)	35*2.0	35*2.0
Optional module	HX-A,B,C,D,E,F,G,H,J,K,L,M,N	HX-A,B,C,D,E,F,G,H,J,K,L,M,N
Cooling time	-	≤25 minutes (20°C cooling to 0°C) (The ambient temperature is 20°C for testing)