

## COMMODITY DESCRIPTION

H.S. No	Item No	Description	Unit	Quantity
		Shaking Water Bath	set	1

A. Model : JSSB-30T

B. Product Description : Shaking Water Bath

C. Manufacturer / Origin : JS Research Inc. / Korea

D. Application :

JSSB-Series Water Bath controls precise temperature and integral linear shaking system with universal spring wire rack which will accommodate almost any size and combination of vessels.

Ideal for chemistry, chemical engineering, cell culture, biotechnology, extraction and laboratory applications demanding constant temperature and mixing at the same time.

E. Photo



Bath with Stainless Steel  
Spring Wire Rack (included)

JSSB-30T Shaking Water Bath

## **F. Feature**

### **Controller JSC-7S Integrated Digital PID Controller**

- ✓ Integrated Digital PID Controller with  $\pm 0.1$  °C temperature control resolution, shaking speed by  $\pm 1$  rpm
- ✓ Automatic STOP timer for temperature and shaking control independently
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min / 99day 23hr or continuous operation
- ✓ Dual digital LED displays operating status of TEMP, RPM and remaining TIME
- ✓ Temperature calibration
- ✓ Auto-tuning function
- ✓ Class A Pt-100 $\Omega$  sensor

### **Construction**

- ✓ Durable epoxy powder coated metallic casing
- ✓ Corrosion resistant Stainless Steel 304 bath
- ✓ Corrosion resistant Stainless Steel 304 sheath immersion heater
- ✓ Corrosion resistant Stainless Steel 304 lid included
- ✓ Corrosion resistant Stainless Steel Spring Wire Basket included

### **Performance**

- ✓ Maintain water temperature from ambient + 5 °C to 99 °C
- ✓ Excellent control accuracy within  $\pm 0.2$  °C and thermal uniformity within  $\pm 0.5$  °C
- ✓ Corrosion resistant Stainless Steel 304 sheath immersion heater directly heating water in the bath to reach set temperature quickly
- ✓ Stainless Steel 304 Spring Wire Rack accommodates various shape of vessels
- ✓ Powerful AC motor support linear shaking motion up to 120 rpm

### **Convenience**

- ✓ Easy to clean Stainless Steel 304 Bath
- ✓ Spring Wire Rack to accommodates almost any size and combination of vessels
- ✓ Drain for easy emptying of the bath fluid
- ✓ Supplied with stainless steel gabled cover to help reduce heat losses and evaporation

### **Safety**

- ✓ DUAL OVER TEMP. CUT-OFF  
Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 °C above set temperature  
Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 °C above maximum limit
- ✓ OVER SPEED CUT-OFF and ALARM
- ✓ SENSOR DISCONNECTION ALARM
- ✓ MOTOR FAILURE ALARM
- ✓ OVER CURRENT CUT-OFF : Electric Leakage Breaker

## G. Specifications

Bath Capacity	30 Liters
Inner Dims. (W x D x H)	500 x 300 x 190 mm
Spring Rack (W x D x H)	350 x 210 x 140 mm
Outer Dims. (W x D x H)	760 x 370 x 400 mm
Temp. Range	ambient +5°C ~ +99°C
Accuracy	±0.2°C at +37°C
Uniformity	±0.5°C at +37°C
Shaking Speed Range	20 ~ 120 rpm / 25 mm reciprocal stroke
Accuracy	±1 rpm
Control	Integrated Microprocessor PID control Auto STOP Timer
Sensor	Class A PT-100 Ω Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel Bath : Stainless Steel 304
Electrical Requirement	220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity	2.0 kW
Power Rating	9.2 amps
Plug Configuration	CEE 7/7 Schuko or BS 1363

## H. Standard Accessories

Gabled Lid, Stainless Steel 304 : 1 EA  
Bottom Plate : 1 EA  
Instruction Manual : 1 EA  
Warranty Card : 1 EA

## I. Options & Accessories

## J. Warranty

1 Year full coverage warranty