

Economy Constant Temperature Oil Bath



BO Series

Operating temp. range	Room temp. +5~199°C (BO500)	Room temp. +5~180°C (BO601)	Bath capacity	5.2L (BO500)	7L (BO601)
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Easy to use, digital setting, compact design oil bath



BO500 + MB800 (Magnetic Stirrer)

- Stainless steel oil bath
- Bath protection sheet to prevent operator from burning
- Must be used with MB800 magnetic stirrer



BO601

- Digital temperature setting by ▲/▼ keys
- Protected oil tank prevents burns caused by contact
- Equipped with a drain

Specifications

Model	BO500-115V*3 BO500-220V*3	BO601-115V
Operating temp. range*1	Room temp. +5~199°C	Room temp. +5~180°C
Temp. control accuracy*2	±0.5°C	±2°C (at 100°C)
Temp. control system	Proportional control	PID control by microprocessor
Temp. setting / display method	Digital / Glass thermometer	Digital setting by ▲/▼ keys
Operation function	--	Fixed temperature, quick auto-stop, auto stop, auto start
Additional function	--	Keypad lock, power failure recovery, calibration off-set
Heater	Pipe heater 700W	SUS316 pipeheater 1kW
Sensor	Pt100Ω	K thermocouple
Safety device	Bath protection sheet	Bath protection cover
		Self-diagnostic function (automatic overheat prevention, temperature sensor error, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse
Interlocking control function	--	--
Water tank	Capacity	~5.2L
	Dimensions	ø240 x 130mm
External dimensions	W250 x D290 x H130mm	W310 x D360 x H230mm
Weight	~1.4kg	~8kg
Power source (50/60 Hz)	AC115V 7A AC220V 4A	AC115V 11A

*1. No load operation of bath only. Maximum temperature varies by different circumstances and operational conditions.

*2. Measured under ambient temperature at 23°C±5°C, humidity of 65%RH±20%.

*3. When combined with magnetic stirrer MB800, power source is from MB800 main unit outlet.

Model	MB800-115V / MB800-220V (in combination with BO500)
Stirring plate	Material: Aluminum, dimension: W250xD220mm
Stirring capacity	100ml~10L
Rotation speed	70~1200rpm
Motor	AC motor, Electronic control
Overheat prevention	70~200°C
Sensor	Thermistor
Safety device	Current leakage breaker, Oil bath power shutdown overheat prevention device
Power source (50/60Hz)	AC115V 10A / AC220V 5A (MB800+BO500 combined with oil bath)
External dimensions	W250xD270xH150mm
Weight	~4.2kg
Accessories	Stirrer 40mm 1pc.

BO500A-115V BO500A-220V

Set of BO500 Oil Bath and MB800 Stirrer

