

Economy Constant Temperature Oil Bath

BO302-A/312-A

Operating temp. range Room temp. +10~180°C

Bath capacity 5L

Compatible with RE202-A/212-A



5L

- Large capacity 5L with internal diameter of $\phi 240$ mm
- Flat-shaped bath with no heater or sensor inside makes for ease in cleaning
- Full range of safety functions such as automatic overheat prevention, upper temperature limit abnormality, and independent overheat prevention (fixed temperature type)

Specifications

Model		BO302-A	BO312-A
Performance*1	Operating ambient temp. range	5~35°C	
	Temperature control range	Room temp. +10~180°C	
	Temperature control accuracy	$\pm 2.0^\circ\text{C}$	
Configuration	Temperature control system	PID control	
	Controller	White LED digital display, key entry, minimum digit of 1°C	
	Temperature sensor	Pt100 Ω	
	Heater	1000W aluminum sheathed heater	
	Exterior	PBT (with fiber glass)	
	Bath reservoir	Stainless steel	
Safety functions		Automatic overheat prevention, independent overheat prevention (fixed temp.), temperature upper limit error, Overcurrent protection fuse	
Other functions		Overshoot alert, Auto resume (selectable), 2A service outlet, calibration offset	
Standard	External dimensions*2	$\phi 262$ (max. D286) x H240 mm	
	Reservoir capacity	~5L	
	Power supply (fuse capacity)	100-115V, 10-12A (Service outlet excluded) (15A)	200-230V, 5 6A (10 A)
	Power cable	3m long, with inlet plug *3	
	Weight	~4.5 kg	
Accessories		Power cable (1), Spare fuse for main power 15A (large)(1), Spare fuse for service outlet 2A (small)(1),	Power cable (1), Spare fuse for main power 10A (large)(1)

*1 Performance data above based on 95-120VAC (BO302)/ 90-241 VAC (BO312) supplied power, 23 \pm 5 °C room temperature, 65%RH \pm 20% humidity, and no process load. Operating temperature range for BM/BO series unit is between 5°C and 35°C. Be advised that maximum operating temperature may not be reached under low ambient temperatures, if source voltage is below 95V.(BO302)/190V (BO312)

*2 Dimensions do not include protrusions.

*3 BO302 is compatible with the voltage range of 100-115VAC and BO312 is compatible with the voltage range of 200-230VAC, by choosing a suitable power plug.

Control Panel



Replacement parts

Product name	Description	Product code	Compatible model
Main power fuse 15A (large)	250V 15A	LT00039643	BO302-A
Main power fuse 10A (large)	250V 10A	LT00039644	BO312-A
Service outlet fuse 2A (small)	250V 2A	LT00039642	BO302-A
Power cable	Comes with a plug, 3m	LT00039650	BO302-A
Power cable	With ring terminals, 3m	LT00039652	BO312-A



BO302-A shown with rotary evaporator RE202-A