

Portable Incubator LPI-A1 Series



www.labtron.com

info@labtron.com

Portable Incubator LPI-A10

Portable Incubator LPI-A10 is a compact, small and lightweight unit featured with PID microprocessor controller technology that adopts easy operation system and improves work efficiency. It works in ambient temperature range of +5 to 50°C and has 8 L volume capacity with gravity air convection type of circulation. This handy incubator is primarily designed for various outdoor working environment for microbial cultivation and heated storage.

Portable Incubator LPI-A11

Portable Incubator LPI-A11 is a vertical style, streamline shape and light weight unit featured with PID microprocessor controller technology that adopts easy operation system and improves work efficiency. It works in ambient temperature range of +5 to 80°C and has 8 L volume capacity with natural air convection type of circulation. This handy incubator is primarily designed for various outdoor working environment for microbial cultivation and heated storage.

Portable Incubator LPI-A12

Portable Incubator LPI-A12 is a vertical style, streamline shape and light weight unit featured with PID microprocessor controller technology that adopts easy operation system and improves work efficiency. It works in ambient temperature range of +5 to 250°C and has 8 L volume capacity with natural air convection type of circulation. This handy incubator is primarily designed for various outdoor working environment for microbial cultivation and heated storage.

Features

- Compact, portable and stackable design saves bench space
- Carrying strap provides easy transport of samples
- PID microprocessor controller with 0.5 °C control sensitivity
- LED display with accuracy of 0.1 °C for precise temperature monitoring
- Constant time setting function for personalized culture experiment requirement
- Side door opening (180°) and seal connector for easy loading of samples inhibits cross contamination
- Automatic rectification in case of temperature sensor deviation
- Audible and visual alarm system protection for over temperature
- Auto circuit breaker function protects unit from power surges
- Mirror stainless steel exterior with curved angle design for easy maintenance
- Cold-rolled rugged steel with anti-bacterial powder coating resists dents, cracks, and chemical attack

Applications

Ideal incubator for basic incubation and heated storage applications. Used in industrial, mining establishments, medical, sanitary field, biochemistry and agricultural science field for laboratory cultivation of bacterial culture, breeding and ferment.

Specifications

For LPI-A10

Model no	LPI-A10	
Air cycle Mode	Gravity air convection	
Function	Temperature range	RT +5 to 50 °C
	Temperature resolution ratio	0.1 °C
	Temperature motion	± 0.5 °C
	Temperature uniformity	± 1.5 °C
Body structure	Inner chamber	Mirror stainless steel
	Outer shell	Cold rolling steel electrostatic spraying exterior
	Insulation layer	6.5 cm polyurethane interlayer
	Heater	Nickel and chromium alloy heating wire
Controller	Temperature controller	PID Intelligent
	Temperature setting mode	Touch button setting
	Display mode	LED
	Time setting range	0 to 9999 min
	Operation function	Fixed temperature operation, Timing function, Auto stop
	Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locking, Power-off parameter memory
	Sensor	CU50
Safety Device	Over temperature sound-light alarm	
Technical specification	Inner chamber dimension (W × L × H)	200 × 160 × 230 mm
	Exterior dimension (W × L × H)	300 × 330 × 330 mm
	Packing dimension (W × L × H)	340 × 370 × 390 mm
	Volume	8 L
	Power consumption	300 W
	Power supply	AC 220 V; 50/60 Hz, 1.3 A
	Net weight	9 kg
	Gross weight	11 kg

Specifications

For LPI-A11 and LPI-A12

Model no.	LPI-A11	LPI-A12
Air cycle Mode	Natural air convection	
Function	Temperature range	RT +5 to 80 °C
	Temperature resolution ratio	1 °C
	Temperature motion	± 1.0 °C
	Temperature uniformity	± 1.5 °C
Body structure	Inner chamber	Stainless steel
	Outer shell	Galvanized steel
	Insulation layer	Polyurethane interlayer
	Heater	Explosion proof alloy heating wire
Controller	Temperature controller	PID Intelligent
	Temperature setting mode	Touch button setting
	Display mode	HD bright LED
	Time setting range	0 to 9999 min/hr
	Operation function	Fixed temperature operation, Timing function
	Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locking, Power-off parameter memory
	Sensor	Temperature and humidity sensor

Safety Device	Parameter memory over-temperature audible alarm, automatic power-off function	
Technical specification	Inner chamber dimension (W × L × H)	200 × 200 × 200 mm
	Exterior dimension (W × L × H)	310 × 320 × 400 mm
	Packing dimension (W × L × H)	370 × 370 × 435 mm
	Volume	8 L
	Power consumption	100 W 200 W
	Power supply	220 V/ 50 Hz
	Net weight	10 kg
	Gross weight	12 kg

Optional Accessories

Accessories no	Accessories name
1.	Vehicular supply / DC 12 V supply