

anaerobic incubator lai-a1 series



Anaerobic Incubator LAI-A1 Series

Anaerobic Incubator LAI-A10

Anaerobic Incubator LAI-A10 is a workstation especially designed to culture anaerobic micro-organisms for various studies. Features micro-computer control system, UV sterilizer, stainless steel chamber, latex gloves, tough front glass window, de-oxidization catalyst, leakage protection etc. to ensure anaerobic environment while working along with operator's safety. Within 5 min anaerobic environment is created in the cultivation chamber while it takes less than 1 hr for the operation chamber. It is used in microbiology labs, oil industry, soil research etc.

Anaerobic Incubator LAI-A11

Anaerobic Incubator LAI-A11 is a workstation especially designed to culture anaerobic micro-organisms for various studies. Features Siemens Programmable Logic Controller, UV sterilizer, stainless steel chamber, latex gloves, tough front glass window, de-oxidization catalyst, leakage protection, USB interface etc. to ensure anaerobic environment while working along with operator's safety. Within 5 min anaerobic environment is created in the cultivation chamber while it takes less than 1 hr for the operation chamber. It is used in microbiology labs, oil industry, soil research etc.

Features

- High-precision microcomputer control system to display accurate temperature inside the incubator LAI-A10
- Siemens PLC for High-performance LAI-A11
- High-precision temperature sensor and oxygen sensor to ensure accuracy LAI-A11
- High-precision temperature control module and analog module to ensure stability LAI-A11
- UV sterilizer for effective de-contamination
- Solenoid valve switch control to adjust and input essential gas
- Cultivation and operation chamber made of stainless steel
- Impact-resistant front glass window for easier observation
- Deoxidization catalyst in operation room
- Double door for cultivation chamber to add more petri plates
- Latex gloves, Leakage protection, Over-heating alarm for user safety
- Caster wheels for easier transport

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- LCD screen to view parameter and button press keypad to pre-set values LAI-A10
- LCD screen to view parameter and touch screen control panel LAI-A11
- 2 shelves and wheels for cultivation chamber
- Tube-light inside the operation chamber for better illumination
- Door handle provided for easier opening and closing
- Wires and pipes inside chamber are properly concealed for user safety
- Equipped with wax-melting disinfection device and inoculating rod sterilizer LAI-A11
- USB interface provided to transfer data LAI-A11
- Stores 6 months data LAI-A11

Applications

It is widely used to culture anaerobic micro-organism to perform various studies in soil research, pathology labs, oil industry etc.

Specifications

Model No.	LAI-A10	LAI-A11
Control System	Microcomputer control system	Microprocessor control system + Siemens PLC
Display	LCD display with button-press keypad	LCD display with touch screen control panel
Time for creating anaerobic state in sample chamber	< 5 minutes	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1hr	< 1hr
Anaerobic environment maintenance time	> 12hrs (when no supply of mixed gas)	> 12hrs (when no supply of mixed gas)

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Specifications

Temperature Range	RT+3 to 60°C	RT+3 to 60°C
Temperature Stability	< ±0.3°C	< ±0.3°C
Temperature Uniformity	< ±1°C	< ±1 °C
Display Resolution	0.1°C	0.1°C
Timing Range	1 to 9999 min	1 to 9999 min
Power Rating	600 W	600 W
Power Supply	AC 220V, 50 Hz	AC 220 V, 50 Hz
Data Storage	No	Yes
Interface	----	USB
Interior Chamber Dimension (W×D×H)	300×190×290 mm	300×190×290 mm
Operation Chamber Dimension (W×D×H)	820×660×670 mm	820×660×670 mm
Exterior Dimension (W×D×H)	1260×730×1380 mm	1260×730×1380 mm
Package Dimension (W×D×H)	1390×920×1560 mm	1390×920×1560 mm
Net Weight	240 kg	240 kg
Gross Weight	320 kg	320 kg