

ANAEROBIC INCUBATOR LAI-A 1 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

Anaerobic Incubator LAI-A1 Series

- LCD display to view parameter and button press keypad to pre-set values LAI-A10
- LCD display 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) |

Anaerobic Incubator LAI-A1 Series

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 |