



Drosophila Incubator LD-LDRI-A11

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Overview

Drosophila Incubator LDRI-A11 is a floor type incubator with 3 side LED illumination system. Heavy-duty 3 pcs shelves have 350 L capacity. Lighting illumination of 0 to 20000 lx provides ideal environment for *Drosophila melanogaster* husbandry (culturing). It includes an RS485 output and an independent over-temperature thermostat and over-temperature alarm.

Features:

- Designed specifically for *Drosophila* research
- Operates within temperature range preferred by fruit flies typically 5 to 35°C
- Program temperature and light cycles reproduces diurnal cycles that foster breeding
- Mechanical convection provides temperature uniformity and effective space utilization
- Units are easy to clean and corrosion resistant painted stainless steel interiors
- Floor designed compressor with non-vibrational body
- Breeze circulation ensures uniform air distribution throughout chamber
- Standard RS485 interface and independent over-temperature thermostat with alarm

Applications:

Drosophila Incubators are designed specifically for rearing flies and other insects which are used in genetic studies, offering exceptional temperature, humidity and lighting control for active experimentation or housing stocks.

Specifications:

Capacity	350 L
Gross weight	160 kg
Power supply	AC 220 V \pm 10 %, 50 Hz
Humidity range	50 to 90 % RH
Illumination type	3-side illumination
Number of shelves	3 pcs
Temperature range	With illumination: 10 to 50?, Without illumination: 4 to 50?
Standard interface	RS485 for PC series
Ambient temperature	5 to 35 ?
Illumination source	Fluorescent lamp
Humidity fluctuation	\pm 5 to 7 % RH
Temperature accuracy	\pm 1?

Internal construction	Painted stainless steel
Lighting illumination	0 to 20000 lx
Temperature resolution	0.1?
Temperature uniformity	± 2?
Continuous working time	? 180 h
Maximum power consumption	1680 W
External dimension (WxDxH)	880 × 800 × 1900 mm
Internal dimension (WxDxH)	550 × 550 × 1200 mm
Lighting Illumination Control	6 degree relative illumination control
Packaging dimension (WxDxH)	950 × 910 × 2100 mm