

LEEC 190 Litre Culture Safe TOUCH CO₂ Incubator (LEECT190)

Product Code: LEECT190

Brand: LEEC

The LEEC 190 Litre Culture Safe TOUCH CO₂ Incubator (LEECT190) has a fully-sealed, electro-polished, one-piece, deep drawn chamber which is manufactured from the highest grade 316 stainless steel. The purpose of the design of this laboratory incubator is to lower the risk of contamination.



Features

Construction

- 316 grade stainless steel one-piece chamber, which is sealed completely
- The outer cabinet is manufactured from stainless steel and has an anti-bacterial powder coat paint finish, making these incubators contamination resistant and have exceptional corrosion
- An inner glass viewing door closes positively onto an inert gasket (no VOC's) and allows a clear view of the chamber contents without disturbing the internal atmosphere
- A rear access port allows temperature monitoring probes to be inserted safely into the chamber

Unique Heating

- Six-sided heating system with high performance thermal insulation to ensure the highest standards in temperature control and stability. The independent outer door remains condensate free

Anti-Contamination

- These incubators are designed to eliminate contamination inside the chamber. Features include fan-less air circulation, a crevice-free, electro-polished, one-piece chamber, and HEPA filtered gas inlet. Externally, the paint contains an active anti-bacterial biocide

Control System

- The state of the art PID touch screen controller is designed to be as user friendly as possible, allowing the user to quickly access the required menus via a simple icon navigation system. The multi-function, PID touch screen module controls the temperature, CO₂, and alarm functions (including low gas and power failure). An independent safety cut out disconnects the heating system should an over temperature condition occur
- The touch screen controller also provides real time data logging in graphical and text format onto a SD memory card. Text and graphical data logging of temperature, CO₂ and O₂ (if fitted) is possible with a maximum of 72 hours graphical data logging and 100 text event logs, all conveniently saved as .csv files for viewing in Microsoft Excel

Specifications

Capacity (L)		190
Temperature	Range	5°C above ambient to + 60°C
	Control	0.1°C
	Stability	± 0.1°C at 37°C
	Uniformity	± 0.25°C at 37°C
Electrical	Voltage	230V AC, 50/60Hz (120V versions available)
	Power (normal)	380W
	Consumption at 37°C	0.058 kwh
CO₂	Range	0% to 20%
	Control	± 0.1%
	Stability	± 0.2%
	Uniformity	± 0.2%
	CO₂ Sensor	Infra-Red min. 5 psi and max. 10 psi
	CO₂ Inlet Pressure	Min. 0.3 bar and max. 0.7 bar
Humidity	RH at 37°C + 5%	Up to 90%
Dimensions (W x H x D)	Internal (mm)	632 x 686 x 440
	External (mm)	765 x 862 x 734
	Shipping Container (mm)	925 x 1080 x 850
Weight	Net (kg)	94.5
	Shipping (kg)	109

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