

Culture Safe CO₂ Precision Incubators



The Spirit of Innovation

Culture Safe CO₂ Precision Incubators

LEEC has designed the most user-friendly, technologically-advanced CO₂ Incubator to meet the needs of demanding cell culturing environments.

Culture Safe CO₂ Benefits

Fan-less design: Zero vibration helps avoid edge effects, less cell desiccation making this unit ideal for cultivation in multi-well plates, requiring low maintenance and significantly less risk of contamination.

Decontamination: Market-leading with the 160°C dry-heat decontamination option. (P190D)

Easy to clean: 304 Stainless Steel acid wash drawn seamless inner chamber.

High Capacity: At 190 litre capacity LEEC have produced the biggest internal chamber on the market with the smallest associated external dimensions.

No tools required: easily-removable shelves and racking for simple cleaning.

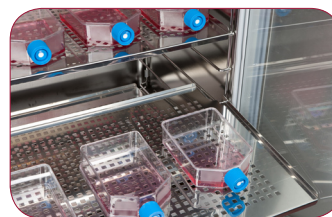
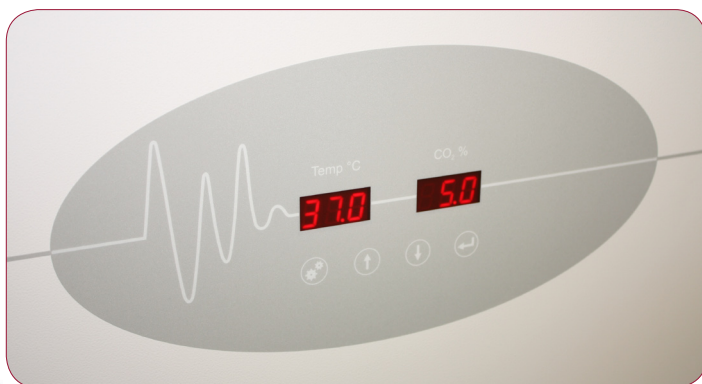
Sensors: LEEC have installed a drift-free CO₂ infrared sensor which features auto-zeroing and auto start-up procedures. This saves valuable downtime and offers more security for samples inside the chamber.

Culture Safe CO₂ Key Features

- 160°C Decontamination (P190D)
- Simple Control System
- Easily-Removable Racking and Shelves
- No internal fan
- Drift-free CO₂ sensor
- 190 Litre Capacity
- Market-leading anti-microbial biocide paint
- Market leading energy efficiency

TECHNICAL SPECIFICATIONS

TEMPERATURE MANAGEMENT		CO ₂ GAS MANAGEMENT		DIMENSIONS	
Range	5°C above ambient to +60°C	Range	0% to 20%	Chamber (mm)	632(w) x 686(h) x 440(d)
Control	0.1°C	Control	± 0.1%	Chamber (inches)	24.9(w) x 27(h) x 17.3(d)
Stability	± 0.1°C @ 37°C	Stability	± 0.2%	External (mm)	765(w) x 862(h) x 734(d)
Uniformity	± 0.25°C @ 37°C	Uniformity	± 0.2%	External (inches)	30.1(w) x 34(h) x 28.9(d)
ELECTRICAL		CO ₂ Sensor	IR	Shipping Container (mm)	925(w) x 1080(h) x 850(d)
Voltage	230 vac 50/60Hz	CO ₂ inlet pressure	min 5 psi max 10 psi	Shipping Container (inches)	36.4(w) x 42.5(h) x 33.5(d)
Power	TBC		min 0.3 bar max 0.7 bar	WEIGHT	
Power, High Temp. Option	TBC	Net		94.5kg (P190) 104kg (P190D)	
Consumption to 37°C	TBC	HUMIDITY		Shipping	109kg (P190) 117.5kg (P190D)
		RH (@37°C +5%)	90%		



Left: Simple control system
Above: Non-tilt shelves
Right: Easily removable shelves & racking





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.