

# Culture Safe CO<sub>2</sub> Incubator



**LEEC**

The Spirit of Innovation

# CO<sub>2</sub> Incubator

## LEEC has designed the most user-friendly, technologically-advanced CO<sub>2</sub> Incubator to meet the needs of demanding cell culturing environments.

### Culture Safe CO<sub>2</sub> 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.

**Sterilisation:** Market-leading with the 200°C dry-heat sterilisation option. Independent testing at Health Protection Agency, Porton Down, UK, shows complete deactivation of all test spores and bacteria.

**Ease of use:** The PID controller is designed to be as user-friendly as possible, allowing the user to quickly navigate to the required menus via icon symbols.

**Easy to clean:** 316 Stainless Steel electro-polished drawn seamless inner chamber.

**Monitoring:** On board text and graphical data logging of temperature, CO<sub>2</sub> and O<sub>2</sub> with a minimum of 72 hours graphical data logging and 100 text event logs, all conveniently saved as .csv files for viewing in MS Excel®.

**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 racks for simple cleaning.

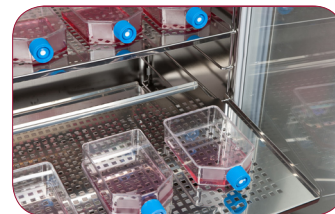
**Sensors:** LEEC have installed a drift-free CO<sub>2</sub> infrared sensor which features auto-zeroing and auto start-up procedures. This saves valuable downtime and offers more security for samples inside the chamber.

### Culture Safe CO<sub>2</sub> Key Features

- World's first 200°C sterilisation
- Ethernet Connection
- Continuous download to SD card
- New touch-screen PID control system with on-board text & graphic data logging
- 316 Stainless Steel electro-polished drawn chamber
- Easily-Removable Racking and Shelves
- No internal fan
- Drift-free CO<sub>2</sub> sensor
- 190 Litre Capacity
- Market-leading anti-microbial biocide paint
- Market leading energy efficiency

### TECHNICAL SPECIFICATIONS CULTURE SAFE TOUCH 190 & 190S

TEMPERATURE MANAGEMENT		CO <sub>2</sub> 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)
<b>ELECTRICAL</b>		CO <sub>2</sub> Sensor	IR	Shipping Container (mm)	925(w) x 1080(h) x 850(d)
Voltage	230 vac 50/60Hz	CO <sub>2</sub> inlet pressure	min 5 psi max 10 psi	Shipping Container (inches)	36.4(w) x 42.5(h) x 33.5(d)
Power	380w		min 0.3 bar max 0.7 bar	<b>WEIGHT</b>	
Power, High Temp. Option	1800w (190s)			Net	94.5kg touch 190 104kg touch 190s
Consumption to 37°C	0.058 kwh	<b>HUMIDITY</b>		Shipping	109kg touch 190 117.5kg touch 190s
		RH (@37°C +5%)	90%		



**Left:** New Icon touch screen  
**Above:** Self hanging & locking tray  
**Right:** Easily removable shelves & racking





# WolfLabs

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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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