

Highest Standards

Steridium laboratory incubators are used throughout the world by facilities which demand the highest standards of construction and performance. The chambers are manufactured from the highest quality stainless steel, and the exteriors are epoxy powder coated, to give an exceptional lifespan with minimal maintenance. Solid doors are available with an optional inner glass viewing door in order to maintain temperature while being able to inspect the product. Alternatively, full double-glazed viewing doors can be fitted which provide permanent viewing of the interior chamber.

i800Co2



i170Co2



i140Co2



Co2 incubators



Quick Specifications

Temperature Range:
ambient (+7) to 50C or 4 to 50C

Relative Humidity Range:
Above ambient to 90%RH

Co2 Range:
2-20%



Micro-Digital Control

Steridium engineers have developed state of the art microdigital control systems to give exceptional control stability over time. An auto-tuning facility in the PID controller ensures that the optimum settings are used on every incubator configuration, independent of the chamber size.

The controller includes an alarm system which can be configured as an absolute maximum or deviation alarm. In the unlikely event of a control system failure, an independent mechanical thermostat will activate the alarm and cut off the heating element to protect the product within the chamber.



Co2 incubators

Remote Control, Data-Logging, and Programmability

The standard incubator can be connected to a remote PC via an RS 485 interface, while Steridium's basic data-logging software enables temperatures to be recorded and displayed graphically on the PC. A number of incubators can be connected together on a simple 2-wire link and remotely monitored from a single PC.

Where full programmability is required, Steridium engineers have developed the ultimate in setpoint programmable controllers. Up to 50 programmed temperature profiles with 500 segments can be stored in the controller's memory. Powerful software enables temperatures profiles to be pre-programmed and tested on a remote PC before downloading to the controller.

Model		i25Co2	i75Co2	i140Co2	i170Co2	i300Co2	i500Co2	i800Co2	i1200Co2	i1600Co2
Chamber Dimensions	width	262	435	515	700	700	700	1490	1490	1490
	depth	300	375	520	600	600	600	610	610	610
	height	295	440	520	400	750	1200	840	1260	1800
External Dimensions	width	370	540	620	866	866	866	1785	1785	1785
	depth	420	490	640	785	785	785	795	795	795
	height	620	760	840	1085	1435	1885	1440	1860	2400
Temperature Range	Ambient +5C to 50C (alternates available on request)									
Accuracy	<0.2C Variation with time									
Heating Element (kW)	0.24	0.24	0.24	0.7	0.7	0.7	0.7 (x2)	0.7 (x2)	0.7 (x2)	0.7 (x2)
Co2 Range	2 - 20% (alternates available on request)									
Co2 Stability	+/- 0.2%									
Humidity *optional	Up to 90%RH - removable stainless steel pan									
Shelf Spacing (mm)	80	80	80	90	90	90	90	90	90	90
Shelf Positions	3	4	5	4	8	13	16	26	38	
Electrical	220-24V, 50-60Hz Single Phase - Alternates Available									
Fan Circulation	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
RS485 Interface	<h1>OPTIONAL</h1>									
RS232 Interface										
Internal Power Supply										
Internal Glass Viewing Door										
Countdown Timer										
Temperature and Co2 Alarms										
Programmable Control										
Refrigeration to 4 C										
Refrigeration to -20 C										
Castors										
Orbital Shaker	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional