

Refrigerated Cycling Incubator (+5°C lights OFF / +10°C lights ON to +50°C)

Serving the Scientific, Medical and Research industries since 1945

LABEC

LABEC Refrigerated Incubators

are fitted with internal lights and are manufactured in Australia with high quality grade 304 stainless steel for easy maintenance and excellent durability. Suitable for applications such as plant germination and culture growth or where refrigeration, heating and diurnal control is required in a single chamber. Labec's superior air flow system and PID heating system provides excellent temperature uniformity.

Features include:

- RCD/ ELB (earth leakage breaker).
- Over Temperature Thermostat.
- Stainless Steel exterior.
- Adjustable/removable shelving.
- Lockable castors.
- Magnetic door seals.



Model ICC50
With optional shelf lights.



Controller – With Labec Refrigerated Cycling Incubators, environmental conditions can be accurately reproduced and controlled with our dynamic air flow system and unique heating system. They provide excellent temperature uniformity using a digital microprocessor based PID temperature controller which controls the temperature within the range 5°C Lights OFF / 10°C Lights ON up to +50°C and Day/Night simulation features.



Model ICC36
Standard model.

LABEC

Laboratory Equipment Pty Ltd

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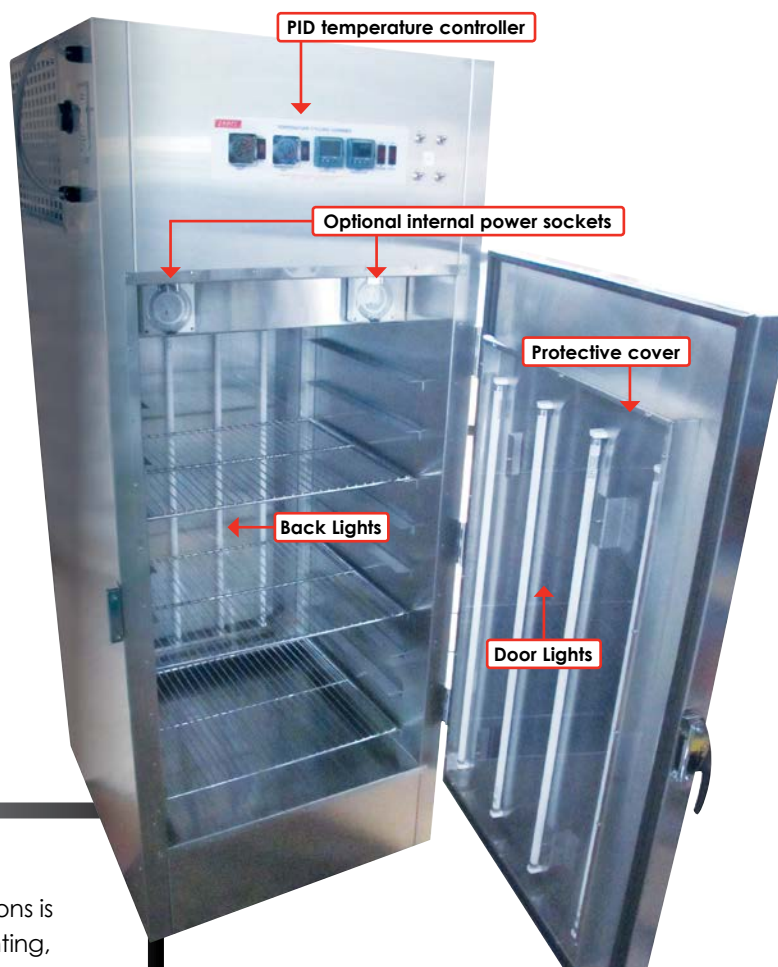
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Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to log chamber information. Software is available for programming and monitoring.



Incubator with optional shelf lighting.



Lighting – A range of lighting configurations to suit your applications is available. Lighting can be door lighting, wall lighting, or on each shelf. The shelf lighting provides High light intensity, >90 micromoles centre of each shelf with the option available of white aluminium interior for high reflectivity. Labec incubators can now be supplied with T5 fluorescent lights in standard, marinestar, aquastar or grolux lights for different applications. The T5 lights use electronic ballasts which give a ¼ more output than the standard T8 tubes.

Additional options – To suit your requirements the addition of options such as safety toughened glass viewing window for easy viewing, programmable controllers, timers and cable access ports are also available.



Incubator with a mixture of T5 Aquastar and Marinestar light banks.

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SPECIFICATIONS

Refrigerated Cycling Incubator (+5°C lights OFF / +10°C lights ON to +50°C)

Model	ICC18	ICC24	ICC36	ICC50	ICC75	ICC120
Capacity (L)	66	160	300	507	750	1200
Int. Dim. (cm) H x W x D	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 65 x 65	130 x 100 x 56	135 x 145 x 155
Ext. Dim. (cm) H x W x D	131 x 51 x 64	155 x 61 x 75	189 x 73 x 80	220 x 80 x 97	225 x 110 x 76	210 x 155 x 78
Temp. Controller	Digital PID Controller					
Temp. Min	5°C Lights OFF / 10°C Lights ON					
Temp. Max	50°C					
Temp. Setting Accuracy	+/-0.1°C					
Temp. Fluctuation	+/-0.2°C					
Temp. Sensor	Pt 100 ohms					
Heating System	Electric Element					
Refrigerant	R134a (CFC Free)					
Interior Material	Stainless Steel					
Exterior Material	Stainless Steel					
Shelving (adjustable)	2	3		6	8	
Standard Wall Lighting	2 x 18W	2 x 36W	3 x 36W	6 x 36W	8 x 36W	
Lockable Castors	Standard					
Power (W)/AMPS	1500W/10AMPS	2200W/ 10AMPS	2400W/10AMPS		3600W/15AMPS	
Power Supply	240V/50Hz					
Safety Features	Overtemperature alarm, temperature protection cut off, earth leakage breaker (ELB)					
Options	Safety thermostat, water jacket, timer, extra shelves, humidity control (see LHC range), low temperature models to -20°C, high temperature models to +150°C, acrylic viewing window or inner glass door, defrost timer, chart recorder					
Weight (kgs)	85	102	135	155	195	210



Model ICC120
With rear wall lights
and white interior.



Model ICC50-SL\WL
Single door with wall
and shelf lighting.

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