



**Laboratory Culture Incubators - "Polar" Variants**

<b>MODEL 1050CP</b>	- Capacity 50 litres
<b>MODEL 1100CP</b>	- Capacity 100 litres
<b>MODEL 1150CP</b>	- Capacity 150 litres
<b>MODEL 1200CP</b>	- Capacity 200 litres
<b>MODEL 1300CP</b>	- Capacity 300 litres
<b>MODEL 1400CP</b>	- Capacity 400 litres
<b>MODEL 1800CP</b>	- Capacity 800 litres
<b>MODEL 1900CP</b>	- Capacity 1000 litres

*These incubators offer a new dimension in reliability and controllability from 0°C to 50°C.*

**EXTRA FEATURES:**

- Engineered for a wide range of ambient conditions.
- Extended temperature range.
- CFC Free
- Less dehumidifying effect.
- Auto defrost.

The following should be read in conjunction with information covering the entire BIOCELL Series of incubators, as details unique to the "Polar" Variants are described below.

For incubation or examination, investigation, storage or testing, a wide range of temperature control is always a decisive pre-condition for success in many laboratories. To deal cost effectively with these requirements, Contherm has developed the **Biocell "Polar" variant** programmable incubators to offer a new dimension in quality and versatility. With accurate and reliable control from 0°C to 50°C, and true one-pass air circulation system, optimum and repeatable performance is assured.

An easy-to-set and read LED digital display allows the laboratory professional to operate these incubators at up to 50°C or down to 0°C in a wide range of ambient conditions, with a set-point accuracy of 0.1°C with two programs. For sample protection, hi-limit controls are fitted. The Contherm ZP21 microprocessor-based controller, featuring PID and "fuzzy logic" technologies,



Model 1300CP

comes with two-step time and temperature programmability, and has EEROM protection to save set-points during power failures. Inner doors of toughened glass allow excellent visual monitoring of samples, and soft-closing outer doors ensure jar-free culture growth. Contherm **Biocell "Polar" variant** incubators contain ozone-friendly refrigerants and oils only, positively achieving a CFC-free cabinet design. Manufactured in a quality production environment, these incubators are built to AS/NZS3350 Electrical Standards.



\*Some conditions apply

**Specifications**

MODEL	1050CP	1100CP	1150CP	1200CP	1300CP	1400CP	1800CP	1900CP
Nominal Capacity	50 litres	100 litres	150 litres	200 litres	300 litres	400 litres	800 litres	1000 litres
External Dimensions (mm)	Height	655	770	855	915	1215	1515	1600
	Width	520	590	690	785	785	785	1380
	Depth	700	800	675	870	870	870	1030
Internal Dimensions (mm)	Height	335	500	580	640	940	1240	1240
	Width	385	455	540	650	650	650	1220
	Depth	340	440	485	505	505	505	665
Shelves Supplied	2	3	3	3	4	5	5	5
Load: Watts	650W	650W	900W	900W	900W	900W	1300W	1300W
Net Weight	42kg	62kg	83kg	91kg	113kg	147kg	280kg	320kg
Packed Weight	70kg	104kg	120kg	140kg	150kg	200kg	330kg	345kg
Operating Temperature	0°C to 50°C							
Operating Ambient	10°C to 35°C							
Temporal Variation	±0.5°C						±0.5°C	
Spatial Variation	±1.5°C						±2.5°C	
Power Supply	230 - 240Volt 50hz 10Amp Grounded Supply							
Controller	ZP21 Digital LED Readout							
Timer	1 minute to 99 hours 59 minutes							
Options	Option X - Castors. Option Z - Cable Port. Option E - RCD							

Performance figures are quoted in an ambient of 20°C. All measurements as prescribed by AS2853.



More technical information is available from the Contherm Techspec Library. The words 'Contherm' and 'Biocell' are the property of Contherm Scientific Ltd.

\* Warranty covers components and labour for 1 year. Full warranty applies only with regard to published pricelist. The information contained in this brochure is correct at time of printing but is subject to change without notice.

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