



Introducing the multi-talented...

# POLAR BEAR **PLUS**

## FAMILY

Advanced cooling *Plus* heating  
for the 21st Century

# WELCOME TO A REVOLUTION IN TEMPERATURE MANAGEMENT.

The Polar Bear Plus family sets a new benchmark for precision heating and cooling by removing all the hassle and giving you more time to do what you do best. The industry-leading technology paired with an elegant, modern design makes the Polar Bear Plus a must have for any leading-edge environment. For more information and full specifications, please visit:

[WWW.CAMBRIDGEREACTORDESIGN.COM/POLARBEARPLUS](http://WWW.CAMBRIDGEREACTORDESIGN.COM/POLARBEARPLUS)

# POLAR BEAR *PLUS*



+150°C  
-40°C

Linear Heating  
& Cooling



Many applications are suited to the flexible plate format and simple operation of our standard Polar Bear *Plus*. Simply turn it on and set the temperature of the plate or the contents.

## Compact, Accurate, Flexible



A range of holders is available to ensure efficient heat transfer, whilst a magnetic stirrer drive adds versatility to this very compact unit.

# POLAR BEAR **PLUS** CRYSTAL



**+150°C**  
**-40°C**  
Temperature  
Programmable



Sophisticated temperature control is the key to the Polar Bear *Plus* Crystal, developed with input from scientists. The temperature gradients that can be achieved, together with programmable temperature profiling and cycling, make this the first choice for your crystallisation investigations.

**Effortless, Reliable,  
Intelligent**

# POLAR BEAR *CUB*

  
Cooling Only



## Precise, Proficient, Plug n Play

Our Polar Bear Cub is designed for laboratory cooling applications. It offers many of the features and options of the Polar Bear Plus but comes at a reduced price. It takes advantage of our advanced cooling technology and allows scientist to perform stirred and sub-ambient reactions in a range of standard vials and flasks. The cooling plate provides the necessary performance to ensure cooling conditions across the temperature range from  $-40$  to  $+30$  °C. The Polar Bear Cub can be set up in seconds, operates accurately and reproducibly, and can be run unattended safely.

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## Bear Facts

Each member of the energy efficient Polar Bear *Plus* family accurately delivers temperatures down to  $-40^{\circ}\text{C}$  at the touch of a button. No solvents, ice, heat transfer fluids or other peripherals are needed – just plug it in and set the desired temperature.

**For further  
details and full  
specifications, visit**

# Model Comparison Chart

	<b>POLAR BEAR CUB</b> Cooling, Stirring	<b>POLAR BEAR PLUS</b> Cooling, Heating, Stirring	<b>POLAR BEAR PLUS CRYSTAL</b> Prog. Temperature & Stirring
Temperature range	-40C to 30C	-40C to 150C	-40C to 150C
Stability over the temperature range	Typically 0.02C	Typically 0.02C	Typically 0.02C
External Temperature Sensor	✓	✓	✓
Magnetic Stirring	✓	✓	✓
Programmable	x	x	✓
Upgradable to Polar Bear Plus - Crystal	✓	✓	-
Certification	EN61010	EN61010	EN61010
Complete range of holders	✓	✓	✓
Voltage	110 or 230V	110 or 230V	110 or 230V
Mass	9 kg	9 kg	9 kg
Size (length x width x depth)	220 x 200 x 320	220 x 200 x 320	220 x 200 x 320
Ethernet connectivity	✓	✓	✓
Uses	Reaction Screening and Crystallisation experiments		



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