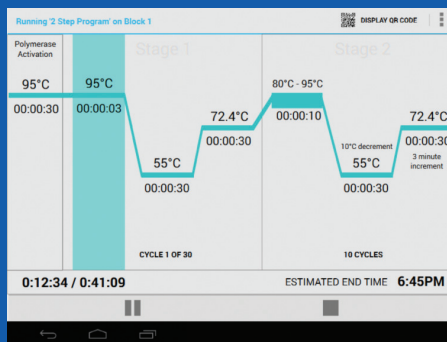
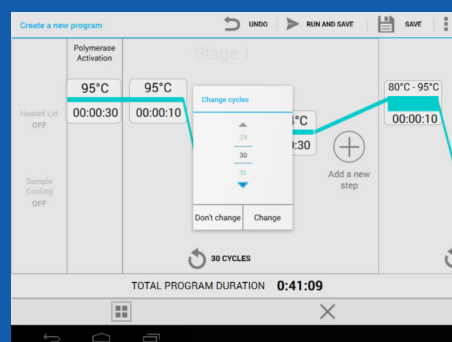


AC4 monitor multiple runs simultaneously



Writing a protocol



Protocol editing

# Introducing the NEW Alpha Cyclers range

Speed. Confidence. Performance. Value. Sensitivity.

The PCRmax Alpha cyclers are developed to deliver not only the best quality data you can expect from PCRmax but also to innovate and exceed the high standards expected by the community.

- Active Sample cooling - For sharper amplification and minimal non-specific amplification
- Programme Wizard - Generate a protocol specific to your sequence, template source and amplicon length in seconds.
- Gradient - Allowing for simplified temperature optimisation, no matter the block chosen.
- 96/384 well formats available - Flexibility for any scale and user needs
- USB connectivity - To retrieve system information and easily transfer protocols between systems.
- Reporting - Monitor the health and accuracy of the system to ensure your data quality never suffers
- Android driven 7" and 10" tablet interface - Quad core speed and excellent connectivity and feel

The Alpha cycler PCR machines have been developed and driven utilising the knowledge gathered since day one of thermal cycling and we aim to be at the forefront of technologies PCRmax aim to continually adapt the system to meet the current and future requirements expected by the community.



AC-1

- Single block (96 or 384) system
- Perfect for individual groups
- Flexibility of format
- High features to cost
- Perfect for standard throughput.



AC-4

- Four block (96/384/combo) system
- Four totally independent blocks.
- High throughput system
- Multiple users environments, saves precious bench space
- Only true multi-block unit on the market.

## Technical Specifications

Aspect	AC-1	AC-4
Format	Single block	Quad block
Block Options	96 or 384 well format	96 or 384 well format Options: 96 and 3 x 384 2x 96 and 2x 384 or 3x 96 and 1x 385
Maximum heating rate	3.4°C per second	3.4°C per second
Block temperature range	10°C to 100°C (4°C final hold)	10°C to 100°C (4°C final hold)
Block uniformity at 55°C	± 0.3°C	± 0.3°C
Temperature accuracy at 55°C	± 0.25°C	± 0.25°C
Gradient	Yes (on 96 and 384 blocks)	Yes (on 96 and 384 blocks)
Maximum Gradient	30°C	30°C
Minimum Gradient	1°C	1°C
Maximum number of programs stored	1000	1000
Maximum fan noise	50dB	50db with one block 55-58db with all four on
Type	6 peltier elements	6 peltier elements
Adjustable heated lid temperature	35°C to 115°C or off	35°C to 115°C or off
Heated lid pressure	Adjustable	Adjustable
Program interface	7" inch 1080p HD Android Tablet	10" inch 1080p HD Android Tablet
Data transfer	USB port	USB port
Auto re-start on power failure	Yes	Yes
Dimensions (L x W x H) in mm	430 x 260 x 200	700 x 535 x 200
Weight	9.4kg	45kg
Voltage	100-230, 50-60Hz	100-230, 50-60Hz
Power	450W	1600W
Electricity used in a standard 2 step, 30 cycle program	0.3 kWh	0.3 kWh



**PCRmax Limited**

Beacon Road, Stone, Staffordshire, ST15 0SA, United Kingdom

**T:** +44 (0)1785 812121

**E:** [enquiries@pcrmax.com](mailto:enquiries@pcrmax.com)

**F:** +44 (0)1785 813748

**W:** [www.pcrmax.com](http://www.pcrmax.com)