

Molecular Biology

Thermal Cyclers, Spex® PCRMax®

Self-contained, gradient thermal cyclers with numerous applications in molecular biology and diagnostics laboratories.

- ◆ High definition touchscreen operation with Android-driven interface
- ◆ Automated protocol optimisation with programme wizard
- ◆ Remote operation/monitoring available allowing alarm, time and system health checks via the user's phone
- ◆ USB user login sets all defaults to the individual user's settings
- ◆ Regularly-used default programmes can be created, locked and protected
- ◆ Units for 1, 2 and 4 block stations with 96-well or 384-well combinations
- ◆ Gradients run across 12 or 16 columns on 96-well or 384-well plates respectively, using 8 individual Peltier heat sources

Block format		Single block	Two-block	Four-block
Temperature range, block	°C	10 to 100 — all models		
Block uniformity (at +55°C)	°C	<±0.3 — all models		
Gradient Minimum/maximum	°C	1/29 — all models		
Gradient accuracy	±°C	0.25 — all models		
Maximum number of programmes [†]		1000 built-in — all models		
Selectable heated lid temperature [#]	°C	35 to 115 or off — all models		
Auto restart on power failure?		Yes — all models		
Manual pause and stop facility		Yes — all models		
Peltier elements per block		8 — all models		
Data/network interface		USB — all models		
Dimensions D x W x H	mm	430 x 260 x 200	470 x 535 x 335	700 x 535 x 335
Weight, net	kg	6	30	47

[†] The maximum number of programmes available depends on the number of segments required per programme.

[#] Heated lid will only come on if block temperature is set above 35°C.

Personal Thermal Cyclers, Spex® PCRMax®

As described. All PCRMax® models include a USB output to transfer data and act as a user login key port using any accessory USB drive. For 100-230V 50/60Hz a.c. single phase supplies.

	Model	Block no. x format
MW612-06	AC196	1 x 96-well
MW612-12	AC1384	1 x 384-well
MW612-18	AC296	2 x 96-well
MW612-24	AC2384	2 x 384-well
MW612-30	AC2196	1 x 96-well, 1 x 384-well
MW612-36	AC496	4 x 96-well
MW612-42	AC4384	4 x 384-well
MW612-48	AC4196	1 x 96-well, 3 x 384-well
MW612-54	AC4296	2 x 96-well, 2 x 384-well
MW612-60	AC4396	3 x 96-well, 1 x 384-well



MW612 single block



MW612 dual block



MW612 four block