

Thermal Cyclers

Thermal Cycler, TC-3000G

The world's smallest gradient cycler, the TC-3000G will hold half a 96-well plate, in a horizontal format so that it offers 8 columns for annealing temperature optimisation and 6 rows for optimising reagents such as MgCl₂ and primer concentrations. Annealing temperatures can be optimised over a 15°C gradient between the temperatures of 20 and 80°C.

All the features of the TC-3000 and TC-3000X plus...

Gradient block

A gradient of up to 15°C between the temperatures of 20 and 80°C can be set, allowing any protocol to be optimised within a single experiment.

New software

Enables a gradient to be added to any temperature step of the program.

Gradient calculator

The gradient calculator function displays the temperature for each of the 8 columns, ensuring easy replication of thermal conditions.

Technical Specification

	TC-3000G
Block formats	
0.5ml capacity	48
0.2ml capacity	30
Block Temperature	
Gradient range	20°C to 80°C
Maximum gradient	15°C
Maximum ramp rate	3.3°C/sec
Block uniformity at 50°C	±0.2°C
Temperature range	4°C to 99°C
Peltier element/block	6
Heated Lid	
Selectable heated lid temperature	100°C to 115°C
Heated lid enable/disable	Yes
Programming	
No. of programs	80
Programming display	4-line alphanumeric
Auto restart on power failure	Yes
Dimensions L x W x H	330 x 170 x 190
Voltage	90-260 V, 50-60Hz
Power	230W
Shipping Weight	6kg



TC-3000G



Ordering Information

Product Code	Description
FTC3G/02	TC-3000G gradient thermal cycler for 48 x 0.2ml microtubes, 100V/115V/230V
FTC3G/05	TC-3000G gradient thermal cycler for 30 x 0.5ml microtubes, 100V/115V/230V
FTC3G/02/B	TC-3000G gradient block for 48 x 0.2ml microtubes
FTC3G/05/B	TC-3000G gradient block for 30 x 0.5ml microtubes



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.