

# Gradient Thermal Cyclers TCG-1210



## Description

Gradient Thermal Cyclers TCG-1210 offers superior performance and a large color touch screen for easy programming. This fully modular platform is able to accommodate different throughput needs with easily interchangeable reaction modules that swap in seconds without tools. Each PCR module has a fully adjustable heated lid that supports a wide range of vessels and sealers, including low-profile and standard-height PCR plates.

Gradient Thermal Cyclers TCG-1210 accommodates 96x0.2 ml + 77x0.5 ml and this block is completely independently of each other and without interference. Standard Marlow Peltier along with graphical LCD display and responsive color touch screen shortens device processes with an easy to read interface and maximum ramping rate 0.1 to 4.5°. Semiconductor based technology using advanced Peltier heating units with 6 long service life.

## Technical:

Model	TCG-1010	TCG-1110	TCG-1210	TCG-1310	TCG-1410	TCG-1510	TCG-1610	TCG-1710
Capacity	96x0.2 ml		96x0.2 ml + 77x0.5 ml		54x0.5 ml		384 well	
Display	LCD, Graphical, 5.7 inch 320x240 pixels							
Temperature Range	0 to 99.9°							
Number of Programs	200							
Uniformity	±0.3°							
Accuracy	±0.2°							
Resolution	0.1°							
Number of Cycle	99							
Number of Step	9							
Holding Temperature	4°							
Temperature Control	Block/Tube							
Heating Rate	4.5°/s							
Cooling Rate	4°/s							
Ramping Rate Adjustable	0.1 to 4.5°							
Gradient Temp. Range	-	30 to 99.9°	-	30 to 99.9°	-	30 to 99.9°	-	30 to 99.9°
Gradient Uniformity	-	±0.3°	-	±0.3°	-	±0.3°	-	±0.3°
Gradient Accuracy	-	±0.2°	-	±0.2°	-	±0.2°	-	±0.2°
Gradient Spread	-	1 to 30°	-	1 to 30°	-	1 to 30°	-	1 to 30°
Hot Lid Height Adjustable	Step less Adjustable							
Hot Lid Temperature	30 to 110°							
Increase/Decrease in Time	0.1 to 9.9°							

Power consumption	600 W							
Overall Dimensions	392x262x252 mm							
Net Weight	10 kg							
Electrical Requirements	264 VAC , 50 to 60 Hz							
Catalogue No.	620150503	620151003	620151503	620152003	620152503	620153003	620153503	620154003

<b>Shipping:</b>	2 - 3 weeks Delivery.
<b>number_of_cycle:</b>	99
<b>gradient_temp_range:</b>	-
<b>power:</b>	600 W
<b>resolution:</b>	0.1?
<b>temperature_range:</b>	0 to 99.9?
<b>capacity:</b>	960.2 ml + 770.5 ml
<b>model:</b>	TCG-1210

## Iris Analytical Ltd.

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