

Gradient Thermal Cyclers

ITCG-1010



Gradient Thermal Cyclers ITCG-1010 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 ITCG-1010 accommodates 96×0.2 ml, and this block are 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°C. Semiconductor based technology using advanced Peltier heating units with 6 long service life.

Technical Specification:

Model	ITCG-1010
Temperature Range (°C)	0 to 99.9°C
Ramp Rate	4°C/s
Selectable Heated Lid Temperature	30 to 110°C
Temperature Uniformity	±0.3°C
Temp Accuracy	±0.2°C
Sample Capacity (0.2ml)	96×0.2 ml
Maximum number of programs stored	200
Adjustable Heated Lid Temperature	Step less Adjustable
Power (W)	600 W
Dimensions L x W x H (mm)	392×262×252 mm
Net Weight (kg)	10 kg
Electrical Requirements	264 VAC , 50 to 60 Hz
Catalogue No.	620150503

Technical Data:

Model	ITCG-1010	ITCG-1110	ITCG-1210	ITCG-1310	ITCG-1410	ITCG-1510	ITCG-1610	ITCG-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



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