GeneTouch Thermal Cycler

Flexibility is a core element of the GeneTouch PCR system. Offering not less than five different types of interchangeable blocks, the GeneTouch chassis and block design provides you with plenty of options. On the basis of the established GenePro, GeneTouch has a convenient and clear touch-screen display.

- User-friendly and intuitive software

- 6.5" color touch-screen for convenient usage

- Auto-recognition of the inserted block

- 96-well and 384-well blocks with gradient with up to 30°C temperature range

- Adjustable hot lid pressure

- 5 interchangeable blocks available

GeneTouch Specifications

Name	GeneTouch				
Model/ *Cat. No.*	TC-EA(Main Body) *BYQ607101E*				
Block Model *Cat. No.*	B-96GA *BYQ607102E*	B-3048UA *BYQ607106E*	B-384GA *BYQ607103E*	B-48DA *BYQ607103E*	B-41A *BYQ607105E*
Sample Capacity	96-PCR Plate (full-skirted) 96×0.2ml tubes 12×8-strip	30×0.5ml 48×0.2ml 4×12-strip	384-PCR plate (full skirted)	48×0.2ml tubes 6×8-strip each block	4×standard in situ plates
Cooling Technology	Peltier-Based				
Display	6.5 inch, 262, 144 Color LCD Display and Touch Screen				
Temp. Range	4°C~105°C				
Heating Speed of Ramping	Up to 4°C/sec	Up to 2.8°C/sec	Up to 2.8°C/sec	Up to 4°C/sec	Up to 1.8°C/sec
Cooling Speed of Ramping	Up to 4°C/sec	Up to 2.8°C/sec	Up to 2.8°C/sec	Up to 4°C/sec	Up to 1.8°C/sec
Temp. Uniformity	≤±0.2°C				
Temp. Accuracy	≤±0.1°C (55°C) ≤±0.2°C (≥90°C)				
Temp. Control Mode	Block or Tube				
Ramping Range Adjustable	0.1-4°C				
Memory	≥250 Typical Programs Onboard, Unlimited with USB Drive Expansion				
Max. No. of Cycles	99: Suitable for Nested PCR				
Time Up / Down	0-9min59sec, Suitable for Long PCR				
Temp. Up / Down	0.1-9.9°C, Suitable for Touchdown PCR				
Auto Pause / Power Protection	Yes				
Soak Function	Yes				
Gradient Range	30-105°C	-	30-105°C	-	-
Gradient Range of Temp. Differential	1-30°C	-	1-30°C	-	-
Hot Lid Temp. Range	30-110°C				
Height of Hot Lid	Stepless Adjustable				
Auto Shut-Off Function of Hot Lid	When block is below the setting temp. or after finish running, hot lid will be auto shut-off				
Port	USB				
Communication Interface	LAN				
Input Power	100-240V, 50~60Hz				
Output Power	600W				
Dimensions	368×250×285mm				
Net Weight	10.5kg				