



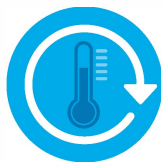
TurboCycler^{LITE}

Economical Gradient Thermal Cycler with Versatile Capabilities



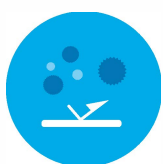
Intuitive Operation Experience

A sensitive capacitive touch keypad and an intuitive graphic interface



Advanced Slow-Ramp Temperature Control

The ramp rate can be precisely controlled down to 0.1 °C/sec to meet the need for the CRISPR/Cas related assays



Easy Disinfection

The dust and aerosol proof keypad can be easily disinfected



Gradient Optimization

The thermal gradient function allows fast PCR optimization for new experiment



Fully Adjustable Lid Temperature

The temperature can be set between 35 and 120 °C for virtually any type of experiment including NGS pre-treatment



Auto Restart

Power failure recovery keeps the experiment safe

Specifications

Sample Block

Sample Block	Fixed 96-well, compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate
Sample Volume	10 - 100 μ l

Block Temperature

Block Temperature Range	4.0 - 99.9 $^{\circ}$ C
Max. Heating Rate	3.0 $^{\circ}$ C/sec
Max. Cooling Rate	2.0 $^{\circ}$ C/sec
Temperature Accuracy	+/- 0.3 $^{\circ}$ C
Temperature Uniformity Across Block	+/- 0.5 $^{\circ}$ C
Adjustable Ramp Rate	High / Low
Slow-Ramp Temperature Control	Via temperature increment / decrement between cycles

Gradient Temperature

Gradient Direction	Horizontal across the block
Gradient Temperature Range	30 - 99 $^{\circ}$ C
Gradient Temperature Difference	Max. span 24 $^{\circ}$ C

Heated Lid

Temperature Setting Range	35 - 120 $^{\circ}$ C or off
Temperature Accuracy	+/- 1.0 $^{\circ}$ C

Software

Stored Program No.	200 sets
Registered User Folder No.	50 sets
User Folder Password Protection	Yes

General

Display	Monochrome LCM, 240 x 128 pixels
Input Interface	Capacitive touch keypad
Auto Restart after Power Outage	Yes
Footprint Dimensions (H x W x D)	225 mm x 245 mm x 415 mm
Weight	9.0 kg
Power Supply	VAC 100-240, 50/60 Hz, 500 W
Certification	CE IVD, RoHS

Specifications are subject to change without prior notice.

Ordering Information

TCLT-9610	Gradient TurboCycler Lite with 96-well Sample Block (110V)
TCLT-9620	Gradient TurboCycler Lite with 96-well Sample Block (220V)
TCST-a002	5.2 mm Compression Mat x 10 pcs
TCST-a003	1.0 mm Compression Mat x 10 pcs



ISO 13485

403-tcb01-10

