



THERMAL CYCLER TC-SQ

BOECO THERMAL CYCLER TC-SQ

is a personal Thermal Cycler with compact structure and small footprint and a friendly user interface with big LCD display which gives reliable results for teaching and research laboratories.

The TC-SQ provides superior performance especially in the cooling and heating speed, temperature control accuracy and uniformity of the block.

Specification:

Sample Capacity:	24 x 0,2 ml, 8-strip, 24 x 0,2 ml plate
Temperature control range:	+ 4 ~ +99 °C
Heating rate (max.):	≥ 5,0°C /sec
Cooling rate (max.):	≥ 4,0°C /sec
Block temp. uniformity:	≤ ± 0,3°C
Block temp. accuracy:	≤ ± 0,3°C
Temp. of hot lid:	30°C - 110°C
Adjustability of hot lid press:	Yes
Temp. control mode:	Block or Tube
Display:	320 x 240 LCD
Program storage:	100 files
Max. segments	5 segments
Max. program steps:	16 steps
Max. cycles:	99 cycles
Size:	297 (L) x 212 (W) x 200 (H) mm
Weight:	3,2 kg
Interface:	RS 232

Code	Description
BOE 8085240	Thermal cycler TC-SQ, 220-240 V, 50/60 Hz with sample block for 24 x 0,2 ml
BOE 8085241	Thermal cycler TC-SQ, 100-120 V, 50/60 Hz with sample block for 24 x 0,2 ml

Optional Block:

Code	Description
BOE 8085185	Sample Block for 18 x 0,5 ml



THERMAL CYCLER TC-TE

BOECO THERMAL CYCLER TC-TE

is a personal Thermal Cycler with compact structure and small footprint and a friendly user interface with colored 5,7" touch screen and a fixed gradient block for 96 x 0,2 ml which gives reliable results for teaching and research laboratories.

Specification:

Sample capacity:	96 x 0,2 ml, 8-strip, 24 x 0,2 ml plate
Cooling technology:	Peltier
Temperature control range:	+ 4 ~ +99°C
Heating speed of ramping:	up to 4,0°C /sec
Cooling speed of ramping :	up to 4,0°C /sec
Block temp. uniformity:	≤ ± 0,3°C
Block temp. accuracy:	≤ ± 0,1°C (55°C) ≤ ± 0,2°C (≥90°C)
Display resolution:	0,1°C
Temp. control mode:	Block or Tube
Ramping rate adjustable:	0,1°C - 4°C
Memories:	250 typical programs (unlimited by USB)
Max. cycles:	99 cycles for Nested PCR
Time up/down:	0-9 min59s, suit for LongPCR
Temperature up/down:	0,1 - 9,9°C suit for TouchdownPCR
Soak function:	Yes
Gradient range:	30°C ~ 105°C
Temp. differential range:	1°C ~ 30°C
Temp. of hot lid:	30°C -110 °C (Temp. / pressure adjusted)
Size:	335 (W) x 260 (D) x 270 (H) mm
Weight:	8 kg
Interface:	1 x USB
Power Supply:	100 - 240V, 50-60 Hz ≤ 600W

Code	Description
BOE 8089602	Thermal cycler TC-TE, 100-240 V, 50-60 Hz with gradient sample block for 96 x 0,2 ml

BOECO THERMAL CYCLER TC-PRO

is a multifunctional compact sized thermal cycler equipped with high end Peltier technology. His five interchangeable sample block give the BOECO TC-PRO an exceptional versatility for PCR methods using tubes, strip wells or plates. Its high ramping rate and precision temperature control provide fast, accurate results. The extra large display and user-friendly interface make operation easy. The unit automatically recognizes which sample block is in place, eliminating the need for an operator to manually supply this information. The instrument can work either by itself or with computer control. One computer can control up to 30 sets of the thermal cyclers.

Specification:

Temperature control range:	+ 4 ~ +99°C
Heating rate (max.):	≥ 4,0°C /sec
Cooling rate (max.):	≥ 4,0°C /sec
Block temp. uniformity:	≤ ± 0,3°C
Block temp. accuracy:	≤ 0,1°C (55°C), ≤ 0,2°C (90°C)
Temp. of hot lid:	20°C - 110°C
Gradient range:	1°C - 30°C
Temp. control mode:	Block or tube
Program storage:	≥ 100 files (No limitation with USB flash disk)
Max. segments	5 segments
Max. program steps:	16 steps
Max. cycles:	99 cycles
Power max.:	600 W
Size:	368 (L) x 250 (W) x 285 (H) mm
Weight:	6,3 kg (main body) + 4,2 kg (block)
Interface:	USB, LAN
Operation System:	Windows 2000 / XP (Memory:> 256M, Hard disk: >10G, CPU: Pentium 4)



THERMAL CYCLER TC-PRO

Code	Description
BOE 8085000	Thermal cycler TC-PRO, AC 110-240 V

Interchangeable Blocks:

Code	Description
BOE 8085001	Block 96G: 96 x 0,2 ml gradient block

This aluminium alloy block and hot lid is for 96 x 0,2 ml microplate or tube; 12 x 8 strip; 8 x 12 strip This block can be used run gradient temperature programs. The temperature and hot lid are adjustable.

Code	Description
BOE 8085002	Block 384G: 384 wells plate gradient block

This aluminium alloy block and hot lid is for 384 well plates. This block can be used run gradient temperature programs. The temperature and hot lid are adjustable.

Code	Description
BOE 8085003	Block 3048: mixed block, 30 x 0,5 + 48 x 0,2 ml

This aluminium alloy mixed block and hot lid is for a max. of 30 x 0,5 ml 48 x 0,2 ml microtest tubes. The temperature and hot lid are adjustable.

Code	Description
BOE 8085004	Block 48D: dual block, 2 x 48 x 0,2 ml

This module is two separate aluminium alloy blocks, both for 0,2 ml microtest tubes, but each with its own hot lid. Each block accepts a maximum of 48 tubes for a total of 96 tubes. The temperature and pressure of the hot lids are independently adjustable.

Code	Description
BOE 8085005	Block 4I: block for 4 In Situ plates

This aluminium alloy block and hot lid is for 4 in situ plates. The temperature and hot lid are adjustable.



BLOCK 96G



BLOCK 384G



BLOCK 3048



BLOCK 48D



BLOCK 4I