

## 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 a 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.



**THERMO CYCLER  
TC-PRO**

### 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) |

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

### Interchangeable blocks:



**BLOCK 96G**

|             |                                       |
|-------------|---------------------------------------|
| BOE 8085001 | Block 96G: 96 x 0,2 ml gradient block |
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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



**BLOCK 384G**

|             |  |
|-------------|--|
| BOE 8085002 | Block 384G: 384 wells plate gradient block |
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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



**BLOCK 3048**

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



**BLOCK 48D**

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



**BLOCK 4I**

|             |                                      |
|-------------|--------------------------------------|
| BOE 8085005 | Block 4I: block for 4 In Situ plates |
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This aluminium alloy block and hot lid is for 4 in situ plates. The temperature and hot lid are adjustable