



2017

THERMOCYCLERS

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## THERMOCYCLERS

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- 6 | Gradient 96.02 block thermal cyclers



# THERMOCYCLES

## Thermal cyclers with gradient and interchangeable blocks



XP CYCLER



Ideal for high precision applications



8 interchangeable block that enable to work simultaneously at two different temperatures



Heatproof and shockproof ABS external structure The lid ensures optimal pressure regulation

| Technical data                |        | LIFE ECO           |
|-------------------------------|--------|--------------------|
| Max Temperature Range         | °C     | 4-99               |
| Temp. Max                     | °C/sec | 4                  |
| Max cooling                   | °C/sec | 3                  |
| Precision on Block            | °C     | 0.4                |
| Temp. uniformity on the Block | °C     | 0.3                |
| Max temp. with lid            | °C     | 110                |
| Programs                      |        | 99                 |
| Heating power                 | W      | 600                |
| Dimensions LxWxH              | mm     | 340x470x260        |
| Optional temperature control  |        | block or test tube |
| Weight                        | Kg     | 10.0               |
| <b>Code</b>                   |        | <b>621.0620.30</b> |

V/HZ 220/240-50/60

SAFETY CLASS 0

PROTECTION CLASS 40



XP - A



XP - B



XP - C



XP - D



XP - E



XP - F



XP - G



XP - H

## ACCESSORIES

| Code                     | Model |   |
|--------------------------|-------|---|
| 621.0620.32 <sup>E</sup> | XP-A  | Single with 96 places for 0.2 ml test tubes Single                  |
| 621.0620.33 <sup>E</sup> | XP-B  | Double with 60 places for test tubes of 0.5 ml                      |
| 621.0620.34 <sup>E</sup> | XP-C  | Double with 30+30 places for 0.5 ml tubes                           |
| 621.0620.35              | XP-D  | Double with 48 + 48 places for 0.2 ml tubes                         |
| 621.0620.36 <sup>E</sup> | XP-E  | Double with 48 places for 0.2 ml tubes + 30 places for 0.5 ml tubes |
| 621.0620.37 <sup>E</sup> | XP-F  | Single for microtiter plates  |
| 621.0620.38              | XP-G  | Single graduated 96 places for 0.2 ml tubes                         |
| 621.0620.39              | XP-H  | Single for slides   |

# THERMOCYCLES

## Thermal cycler without gradient - 18x05 and 24x02 blocks



Ideal for high precision and uniform applications with Peltier technology



Automatic lid lock.  
Adjustable closing pressure



LCD display with Touch Screen with text and graphic view. USB access.  
Absorption function. HOTLID lid. Possibility to save up to 100 programs



GENE Q

| Model              |        | Gene Q-24                      | Gene Q-18          |
|--------------------|--------|--------------------------------|--------------------|
| Sample capacity    |        | 24*0.2ml 8-strip 24-microplate | 18*0.5ml           |
| Temperature Range  | °C     | 4~99.9                         | 4~99.9             |
| Heating Rate (max) | °C/sec | ≥ 5                            | ≥ 4                |
| Cooling Rate (max) | °C/sec | ≥ 4                            | ≥ 3                |
| Block uniformity   | C°     | ≤±0.2                          | ≤±0.2              |
| Block accuracy     | C°     | ≤±0.2                          | ≤±0.2              |
| Lid temperature    | C°     | 30~110                         | 30~110             |
| Max no of segments | n°     | -                              | 5                  |
| Max steps max      | n°     | -                              | 16                 |
| N° of cycles       | n°     | -                              | 99                 |
| Dimensions LxWxH   | mm     | 345x250x270                    | 345x250x270        |
| Weight             | kg     | 3.2                            |                    |
| Interface          |        | RS232                          |                    |
| <b>Code</b>        |        | <b>621.0615.43</b>             | <b>621.0615.40</b> |

V/HZ 220/240-50/60

SAFETY CLASS 3.1





PROTECTION CLASS IP 42

# THERMOCYCLES

## Thermal Cyclers with gradient - 96x02 Block



LIFE ECO

-  Ideal for high precision and uniform applications with Peltier technology
-  HOTLID lid
-  LCD display with Touch Screen with text and graphic view. USB access. Absorption function.
-  Automatic lid lock

| Technical data             |                             | LIFE ECO         |                         |
|----------------------------|-----------------------------|------------------|-------------------------|
| Capacity of the sample     | 96-PCR plate (full-skirted) | 96x0.2 ml tables | 12x8 - strip            |
| Temperature                |                             | °C               | 4~105                   |
| Heating speed              |                             | sec              | Up to 4°                |
| Cooling speed              |                             | sec              | Up to 4°                |
| Uniformity                 |                             | °C               | ≤±0.3                   |
| Precision                  |                             | °C               | ≤±0.1 ( 55) ≤±0.2 (≥90) |
| Memory                     |                             |                  | 250 programs            |
| Maximum number of cycles   |                             |                  | 99                      |
| Range of gradient          |                             | °C               | 30~105                  |
| Gradient temperature range |                             | °C               | 1~30                    |
| Lid temperature range      |                             | °C               | 30~110                  |
| Capacity                   |                             | W                | 600                     |
| Dimensions LxWxH           |                             | mm               | 335x260x270             |
| Weight                     |                             | kg               | 10                      |
| <b>Code</b>                |                             |                  | <b>621.0610.20</b>      |

V/HZ 220/240-50/60

SAFETY CLASS 3.1

PROTECTION CLASS 42





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