

# SENSOQUEST

Biomedical Electronics

**Labcycler 48** Small size

## Maximum performance

- The first small format **thermocycler** with **TFT touchscreen**
- **4 versions** are available:
  - Labcycler 48
  - Labcycler 48 Gradient
  - Labcycler 48s (silver block)
  - Labcycler 48s Gradient (silver block)
- The **Intersystem-Copy-Function** allows data exchange with Labcycler Basic and Gradient



Hightech Thermocycler

[www.sensoquest.com](http://www.sensoquest.com)



## Labcyler 48

SensoQuest offers four versions of the **Labcyler 48**. They all have a coloured touchscreen and the graphical user interface that the Labcyler is well known for. Temperature programs can be stored in directories that can optionally be protected by passwords up to 64 individual users. Programs can be copied between the Labcyler 48 and the bigger Labcyclers Basic and Gradient. There are temperature and time in(de)crements, programmable ramp rates, restart function, low energy consumption, less heat and noise as well as online help. Its small size fits into every lab.

1

### Labcyler 48 (aluminium block)

Labcyler 48 has an aluminium block with 48 wells for 0.2 ml tubes in an array of 6 x 8. Working with single tubes and stripes is possible. Heating rates are up to 3.5 °C/s, and cooling rates 3.2 °C/s.

**Labcyler 48 ..... Order number: 013-101**

2

### Labcyler 48 Gradient (aluminium block)

Labcyler 48 Gradient has the additional option of a gradient: 8 zones, 20 °C, up to ± 10 °C from the center of the block.

**Labcyler 48 Gradient ..... Order number: 013-102**

3

### Labcyler 48s (silver block)

Labcyler 48s has a gold plated silver block, allowing heating and cooling rates in excess of 5 °C/s.

**Labcyler 48s ..... Order number: 013-103**

4

### Labcyler 48s Gradient (silver block)

Labcyler 48s Gradient as also a gold plated silver block and the additional option of a gradient: 8 zones, 20 °C, up to 10 °C from the center of the block.

**Labcyler 48s Gradient ..... Order number: 013-104**

### Technical data Labcyler 48

<b>Line voltage</b>	100 V to 130 V (order numbers: 013-105,-106, -107,-108) 200 V to 265 V (order numbers: 013-101,-102, -103,-104) 50 to 60 Hz
<b>Power consumption</b>	Maximum 180 W, standby 25 W
<b>Noise</b>	Idle 38 dBA, typical 44 dBA, maximum 48 dBA
<b>Interfaces</b>	RS232
<b>Heated lid</b>	Automatic, up to 105 °C
<b>Dimension</b>	Length: 37 cm; width: 20 cm; height: 16 cm
<b>Weight</b>	7.8 kg
<b>Display</b>	TFT illuminated colour display ¼ VGA, 5.7" diagonal, 320 x 240 pixel, touchscreen
<b>Languages</b>	English, German
<b>Programs</b>	680 standard programs, the last 16 program runs can be displayed any time, restart function
<b>Password protection</b>	Configurable up to 64 users
<b>Data exchange</b>	Intersystem-Copy-Function with Labcyler 48, Labcyler Basic and Labcyler Gradient
<b>Gradient</b>	Gradient capable, 20 °C, ± 10 °C
<b>Temperature</b>	- 5.0 °C to 99.9 °C
<b>Homogeneity</b>	± 0.25 °C at 55 °C, ± 0.4 °C at 95 °C
<b>Ramp rate</b>	0.001 °C/s to 5.0 °C/s
<b>De(In)crements</b>	Temperature: ± 9.99 °C Time: ± 99.99 s



Your local distributor



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