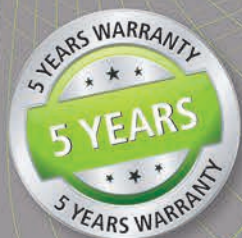
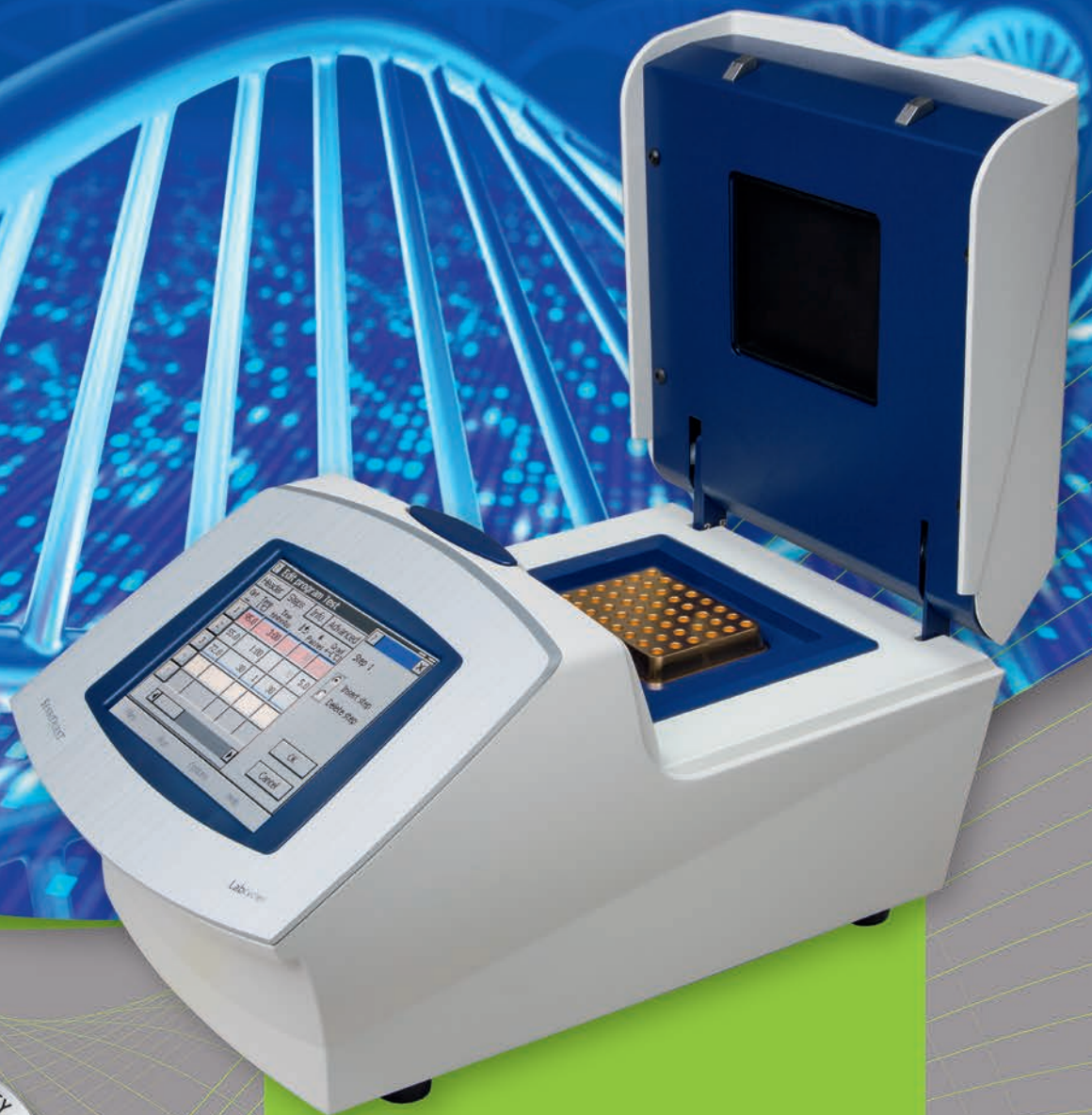


# SENSOQUEST

Biomedical Electronics

Hightech **Thermocycler**

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



## Labcycler 48s

Small Size – Maximum Performance

# Labcyler 48s

## TECHNICAL DATA LABCYCLER 48s

Labcyler 48s has a gold coated silver block with 48 wells for 0.2 ml tubes in an array of 6 x 8. The thermal conductivity of silver with 429 W/mK resulted in a better block uniformity in contrast to aluminium (237 W/mK). Working with single tubes and stripes is possible. The gold coated silver block resulted in high cooling and heating rates: **5.0 C°/s during real operations**. A coloured touchscreen and a well-known graphical user interface resulted in an easy to use handling. 680 programs can be stored in directories that can be optionally protected by passwords. The Labcyler 48s has programmable temperature and time in(de)crements, ramp rates and of course a gradient. A cheaper version without gradient function is available.



### SensoQuest offers two versions:

Labcyler 48s without Gradient and Labcyler 48s Gradient. Gradient: Up to  $\pm 10\text{ }^{\circ}\text{C}$  from the centre of the block, this means  $20\text{ }^{\circ}\text{C}$  from left to right.

Product	Line voltage	Order number
Labcyler 48s	200 – 265 V	013-103
Labcyler 48s Gradient	200 – 265 V	013-104
Labcyler 48s	100 – 130 V	013-107
Labcyler 48s Gradient	100 – 130 V	013-108

<b>Line voltage</b>	100 V to 130 V, and 200 V to 265 V, 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>Display</b>	TFT illuminated colour display ¼ VGA, 5.7" diagonal, 320 x 240 pixel, touchscreen
<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>Keyboard</b>	Softkeys on the touch screen depending on the context
<b>Interfaces</b>	RS232

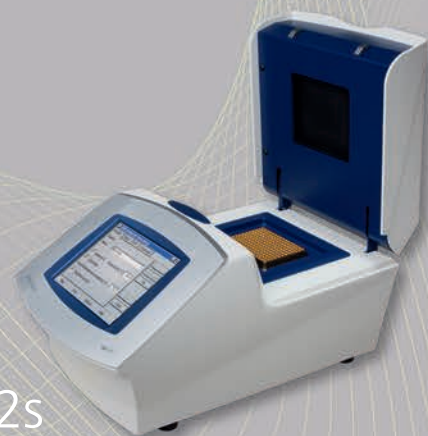
<b>Languages</b>	English, German, Spanish
<b>Programs</b>	680 standard programs, or at least 3000 steps, the last 16 program runs can be displayed any time, re-start function, programmed and manual pause
<b>Password protection</b>	Configurable up to 64 users
<b>Copy function</b>	Intersystem-copy-function with Labcyler 48, Labcyler Basic, and Labcyler Gradient
<b>Gradient</b>	Gradient capable, $20\text{ }^{\circ}\text{C}$ , $\pm 10\text{ }^{\circ}\text{C}$
<b>Temperature</b>	Minus $5.0\text{ }^{\circ}\text{C}$ to $99.9\text{ }^{\circ}\text{C}$
<b>Homogeneity</b>	$\pm 0.25\text{ }^{\circ}\text{C}$ @ $55\text{ }^{\circ}\text{C}$ , $\pm 0.4\text{ }^{\circ}\text{C}$ @ $95\text{ }^{\circ}\text{C}$
<b>De(In)crements</b>	Time: $\pm 99.99\text{ s}$ , temperature: $\pm 9.99\text{ }^{\circ}\text{C}$
<b>Instant incubation</b>	Yes

## Similar Products

Labcyler 48



Labcyler 192s



Your local distributor

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Biomedical Electronics

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