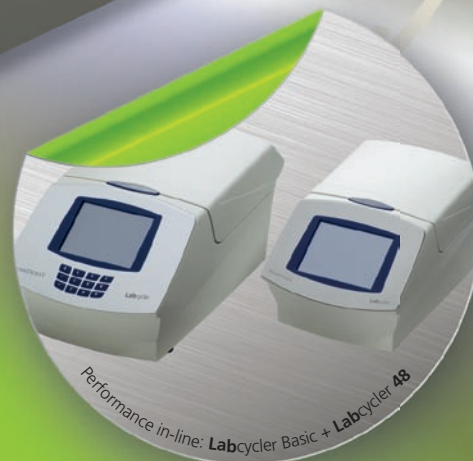# SENSOQUEST
Biomedical Electronics

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

Performance in-line: **Lab**cycler Basic + **Lab**cycler 48

Hightech **Thermocycler**

www.sensoquest.com

Labcycler 48

SensoQuest offers four versions of the **Labcycler 48**. They all have a coloured touchscreen and the graphical user interface that the Labcycler 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 Labcycler 48 and the bigger Labyclers 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 Labcycler 48 (aluminium block)

Labcycler 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.

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

② Labcycler 48 Gradient (aluminium block)

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

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

③ Labcycler 48s (silver block)

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

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

④ Labcycler 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.

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

Technical data Labcycler 48

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

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