

Product data sheet

LC6 Laboratory temperature controller

for measurement, control, safety and monitoring tasks

JULABO temperature controllers are used in all temperature-dependent measuring, control, safety, and monitoring applications in laboratories and pilot plants.

The LC series of temperature controllers perform temperature-dependent measuring, controlling, safety, and monitoring tasks. State-of-the-art control technology, space saving design, and simple, user-friendly operation are the special advantages of this product. The unit has powerful PID temperature control with 5 adjustable control parameters. The two LED displays allow the actual and setpoint values to be displayed simultaneously. All entries are made quickly and easily via the splash-proof membrane keypad. The over- and low temperature warning functions with interval signal tone (DBGM) ensure the necessary safety. The integrated RS232 interface enables direct online communication. The high temperature cut-off (safety value) is adjustable and can be read on the MULTI-DISPLAY (LED). The unit also has a connection possibility for a JULABO solenoid valve for clocked cooling water supply. The ATC function (Absolute Temperature Calibration) makes the calibration of the temperature sensors very simple. The unit can therefore also be used as a test device in accordance with ISO 9000.



Product Features

- ✓ PID temperature control
- ✓ Bright MULTI-DISPLAY (LED)
- ✓ Digital display (LED) of actual and setpoint value
- ✓ Splash-proof keypad
- ✓ Unique early warning system for low liquid level
- ✓ RS232 interface
- ✓ ATC function for simple correction of temperature variations

Performance values

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)

Heating capacity kW 3

Power consumption A 14

Voltage Tolerance % 230V | ± 10

Order number including voltage version (230V/50Hz)

9700160.03

Technical data

Available voltage versions

Order No. 9700160

Available voltage versions:

9700160.02 115V 60Hz (Nema N5-15 Plug)

9700160.03 230V 50/60Hz (Schuko Plug - CEE 7/4 Plug Type F)

Electronics

Interfaces

Alarm output, Profibus optional,
REG/EPROG, RS232, RS485, Standby-
Input

External pt100 sensor
connection integrated

2nd external Pt100
sensor connection integrated

Integrated programmer 6x60 steps

Temperature control ICC

Absolute temperature
calibration 1 Point Calibration

Temperature display LCD

Temperature setting Keypad

Dimensions and volumes

Weight kg

4

Total dimensions cm (W × L × H)

21 x 18 x 18

Temperature values

Working temperature range °C -100 ... +400

Temperature stability °C ±0.03

Ambient temperature °C +5 ... +40

Temperature display resolution °C 0.01

Other

IP Code

IP 31

All Benefits



100% Checked.

100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Green technology.

Development consistently applied environmentally friendly materials and technologies.



JULABO. Quality.

Highest standards of quality for a long product life.



Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



Satisfied customers.

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.