The right temperature worldwide

LAUDA

INFINITE
AGILE.
EFFICIENT.
VERSATILE.

DISCOVER THE NEW DIMENSION OF TEMPERATURE CONTROL THERMOSTATING: **LAUDA LOOP**

INFINITE
AGILE.
EFFICIENT.
VERSATILE.

WELCOME TO THE WORLD OF LAUDA LOOP.

LAUDA has been a global leader in the temperature control using liquids for decades. Our temperature control circulators are used in research, applications technology and production. We are now rounding off our impressive product portfolio with our latest development: the LAUDA LOOP.

Over a two-year period of intensive research and development, we at LAUDA, have reimagined Peltier technology. Based on this proven technology, we developed the LAUDA LOOP, a new type of thermo-electric circulation thermostat without any rivals, and made it ready for market launch and series production. The positive response from industry clients confirms that our vision of location-independent, space-saving and environmentally-friendly temperature control meets the increasing demands of modern working processes for flexibility, independence and versatility.

The LAUDA LOOP brings the future into your business right now, starting a new generation of external temperature control. Easy to handle, compact and light – the LAUDA LOOP is available in two versions. It allows for even greater independence and flexibility in your work. The LAUDA LOOP – our elegant all-rounder in a smart design for all kinds of applications. Discover the new dimension of temperature control.

INFINITE
AGILE.
EFFICIENT.
VERSATILE.

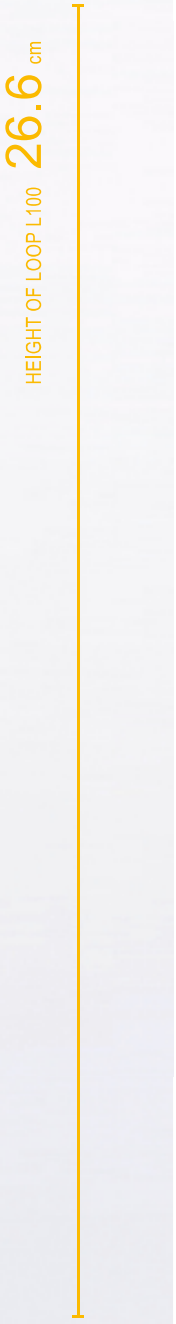
The LAUDA LOOP is at home anywhere. Our compact circulation thermostat is perfect for applications in which a constant temperature is critical. Its working temperature range is between 4 and 80 °C.

And for you? It makes your work significantly easier. Do you lack space? Do you need the LAUDA LOOP at short notice for a short-term second or third application? Do you want to take it with you to another laboratory or to another building? It's all possible. The LAUDA LOOP adapts with you, wherever you want to use it.

This is made possible by its compact size and lightweight construction, weighing just eight or twelve kilograms, depending on the version. You can even travel with the LAUDA LOOP: Its wide voltage input range of 100 to 240 Volts means that it can be used worldwide.

It's easy to get started thanks to plug and play using quick-fit couplings. And there is no weighty instruction manual needed to get familiar with the controls. The LAUDA LOOP makes it easy. The menu is available in five languages and is navigated via a convenient 3-button softkey control pad. The OLED screen provides a bright, high-contrast display.

The location – wherever you need it.



LOOP
L 100
LAUDA

INFINITE
AGILE.
EFFICIENT.
VERSATILE.

The LAUDA LOOP's unique feature: it works efficiently everywhere – in both versions, of course. It cools and heats within a working temperature range of 4 to 80 °C. It performs particularly well in applications having requiring a constant temperature. The two air-cooled device types are highly versatile, whether it's for use in life sciences, analysis or chemical laboratories.

For the LAUDA LOOP, we opted for the benefits of Peltier technology. This technology enables accurate and rapid heating or cooling as required. All this with a low weight, small size and entirely without refrigerant, which is a clear benefit for the environment.

Maximum energy-efficiency is achieved under partial load. Compared with the smallest compressor-powered thermostats, the LAUDA LOOP consumes up to 50 percent less energy. A nice side-effect is that it's easy on the wallet too, as the economical LAUDA LOOP runs with low operating costs.

YOUR BENEFITS:

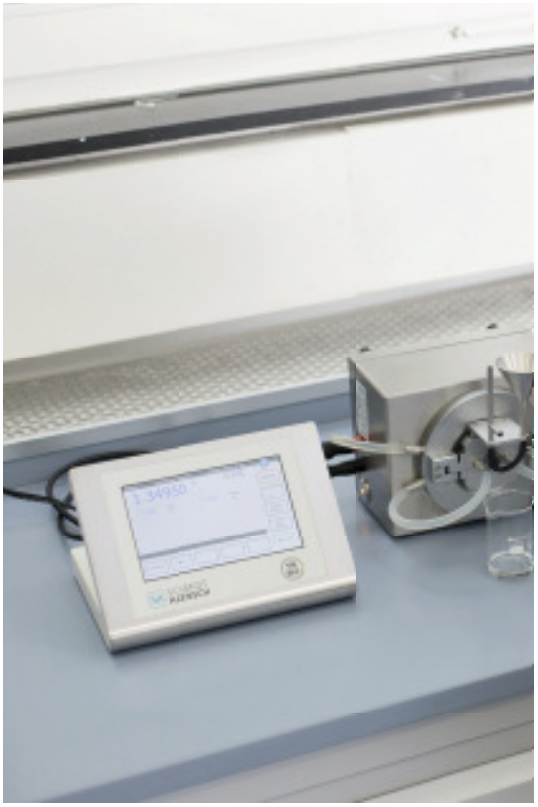
+ No refrigerant
+ Working temperature range from 4 to 80 °C
+ Low operating costs

20.0 °C Tset
25,0 °C
Tint
80 °C

INFINITE
AGILE.
EFFICIENT.
VERSATILE.

The LAUDA LOOP can be used throughout the added value chain. This means is that it is a reliable partner – from goods-inwards inspection, via quality assurance and research through to sample preparation. You decide where the LAUDA LOOP is used. No matter where you need it: we always place great value on maximum safety.

We have installed an RS-232-interface as standard. Communication is more than just a word for the LAUDA LOOP. For a safe operation, the LAUDA LOOP also provides functions such as an integrated button lock, an auto-start feature and a warning signal when exceeding temperature limits. Otherwise, the LAUDA LOOP is so quiet and vibrates so little that it is barely noticeable.



YOUR BENEFITS

+ Small size, low weight
+ Refrigerant-free temperature control thermostating with Peltier technology
+ Speed-regulated fan
+ Exceptionally energy-efficient in partial-load operation
+ 3-button controls with OLED display
+ Heating and cooling with the same components
+ Voltage: 100 – 240 V, 50/60 Hz
+ RS-232-interface as standard

PROCESS REFRACTOMETER
AT 25 °C

TEMPERATURE CONTROL THERMOSTATING
OF SMALL SAMPLE SIZES IN THE LABORATORY

CELL CHANGER IN
A UV/VIS DEVICE
BETWEEN 10 AND 80 °C

TEMPERATURE CONTROL
THERMOSTATING OF
THE TUBES IN A POLARIMETER
AT 20 AND 25 °C

THE LAUDA LOOP IN DETAIL.

The LAUDA LOOP product line includes two thermo-electric circulation thermostats for external temperature control. The temperature control thermostating is by means of a current flow via a semiconductor relay. Both heating and cooling can be achieved simply by reversing polarity in a small space.

The two air-cooled device types, L 100 and L 250, provide cooling capacities of 120 and 250 Watts, as well as a temperature range of 4 to 80 °C. The focus is on applications requiring constant temperature with a low power requirement. Both device types are exceptionally efficient in partial-load operation.

Do you have any questions or need more information?
Our sales team would be happy to help:
loop@lauda.de

L 250 L 100

Technical features		L 100	L 250
Working temperature range	°C	4...80	4...80
Temperature stability	±K	0.1	0.1
Heating output at 20 °C	W	200	400
Cooling output at 20 °C	W	120	250
Cooling output at 10 °C	W	60	130
Weight	kg	6.9	11.9
Pump pressure, max.	bar	0.8	0.8
Flow rate, max.	L/min	2.6	2.6
Tank capacity	ml	300	300
Pump connections		¼“ quick-fit couplings	¼“ quick-fit couplings
Interface		RS-232	RS-232
Cooling temperature control unit		Air-cooled	Air-cooled
Dimensions (W x H x D)	mm	175 x 266 x 301	261 x 312 x 368

LAUDA: AN OVERVIEW.

LAUDA is the world's leading manufacturer of constant temperature equipment and applications for research, applications technology and production. Its product range includes thermostatic circulators, measuring instruments and heating and cooling systems. Customers in the medical technology, semiconductor and biotechnology industries, among others, place their trust in the high-quality products made in Lauda-Königshofen in Baden-Württemberg, Germany.

The company, founded in 1956, nowadays has around 430 employees and twelve foreign subsidiaries. With more than 60 years of experience behind it, it offers a unique product range including compact laboratory thermostats, industrial circulation chillers, and customer-specific heating and cooling systems having over 400 Kilowatts of cooling capacity.

As a result, LAUDA is the only company to serve more than 10.000 customers worldwide to guarantee optimum temperatures throughout the value added chain. The high-quality products maintain constant temperatures to the nearest five-thousandth °C, or regulate the temperature within a range of -150 to 550 °C with a high degree of accuracy. Production processes are accelerated or made possible via active cooling or heating.

LAUDA DR. R. WOBSER GMBH & CO. KG
Pfarrstraße 41/43
97922 Lauda-Königshofen
Germany

Tel.: +49 (0)9343 503-0
Fax: +49 (0)9343 503-222
E-mail: info@lauda.de

WWW.LAUDA-LOOP.COM

YOUR SALES PARTNER

1-473-e-1/5.17
With reserve of technical modifications.