



ITALTRADE S.R.L.

SOCIETÀ DEL GRUPPO ITALINVEST

 LAUDA

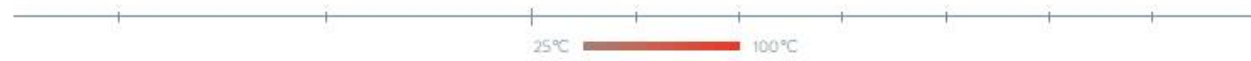


PRODOTTI LAUDA

- Water Baths (Hydro)
- Shakers(Varioshake)
- Water Stills (Puridest)
- Chest/ Upright freezers (Versafreeze)
- Heating Thermostats (Alpha, ECO)
- Calibration Thermostats (ECO)
- Cooling Thermostats (Alpha, ECO)
- Circulation and process thermostats (LOOP)
- Circulation Chillers (Microcool)

LAUDA Hydro water baths

from 25 to 100 °C



Reliable and universal water baths

LAUDA offers a significantly expanded range of laboratory technology with six water baths and two water baths with a circulating function. The LAUDA Hydro water baths with a high-quality stainless steel interior provide the right bath depth and opening for every application with bath volumes from 4 to 41 liters. All water baths have a temperature range of up to 100 °C with a temperature stability of ± 0.1 K, which also permits applications in the boiling temperature range. A TFT display ensures intuitive operation with a temperature display in °C and °F.



High-quality, welded stainless steel bath interior, equipped with a sieve plate as standard



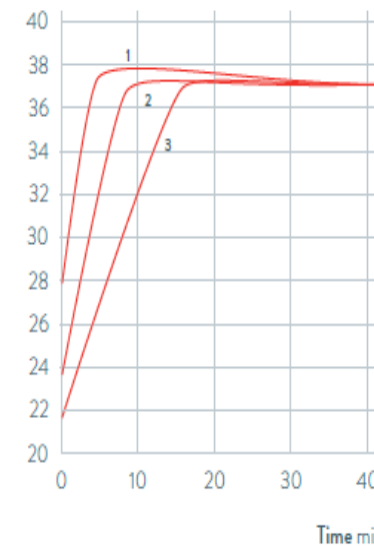
Large, high-contrast TFT display with menu-guided controls

Specific application examples

- Preparation of cellular, biological and medical samples
- Incubation of microbiological tests
- Preparation of environmental samples
- Defrosting of samples
- Conducting of chemical reactions

HEATING PERFORMANCE Heat transfer liquid: Water, bath closed

Bath temperature °C



- 1 H8
- 2 H8A
- 3 H22

Important functions

- Three user-specific timer functions
- Direct temperature control for rapid heating
- Visual and acoustic alarm in case of low level, over-/under-temperature as well as sensor break
- Lid design prevents condensation from dripping back on samples

Standard equipment

Double-walled, heat-insulating stainless steel lid and drain tap

Additional accessories

Adjustable water level controller, rack for test tubes of different diameters and baby milk bottles, Flat stainless-steel cover with ring inserts (6 openings/diameter 91 mm, suitable for H 16, H 16 A and H 22)

All technical data and power supply variants can be found in the »Technical data« section.

More at www.lauda.de/de/1780

LAUDA Alpha

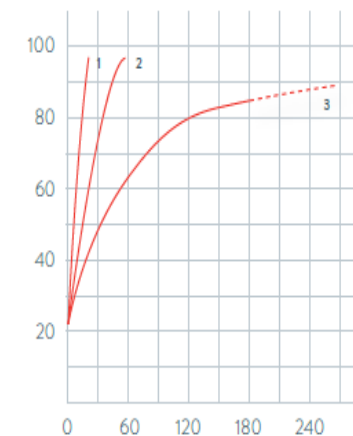
Heating thermostats from 25 to 100 °C for cost-effective temperature control thermostating in the lab



Cost-effective thermostats with reliable technology incorporated into a modern design
LAUDA Alpha is the most cost-effective choice when it comes to premium-quality LAUDA thermostats. These reliable and user-friendly thermostats, with features optimized for essential use, can be operated with non-flammable liquids and are suitable for both internal and external temperature control tasks.

HEATING PERFORMANCE Water, bath closed

Bath temperature °C



1 A 6
2 A 12
3 A 24

Time min

Important functions

- Deep-drawn stainless steel bath vessels
- Integrated timer function allows automatic device shutdown (Standby)
- Low-level and overtemperature protection for operation with non-flammable liquids

Included accessories

Screw clamp, attachment nozzle in two sizes

Further accessories

Pump circulation set, cooling coil, bath cover set

All technical data and power supply variants can be found in the Technical data section.

More at www.lauda.de/1724



Simple and intuitive menu navigation with three-button operation using a large, clearly legible LED display



Screw clamp allows easy change to different bath vessels with a maximum wall thickness of 30 mm



LAUDA ECO

Heating thermostats from 20 to 200 °C
for economic temperature control in the lab



Economic and high-performance temperature control

The ECO thermostats are available in Silver (LCD) or Gold (color TFT display) models with a large number of interface modules as accessories. The circulation pump can be adjusted to six levels. The ECO heating thermostat line encompasses transparent baths up to 100 °C as well as immersion thermostats and heating thermostats with stainless steel baths up to 200 °C.



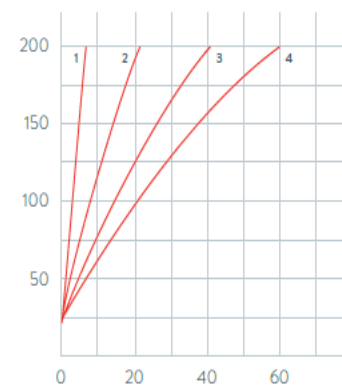
Plain text menu navigation on a monochrome LCD (Silver) or color TFT display (Gold) for easy operation



Standard-issue cooling coil included with all heating thermostats

HEATING PERFORMANCE Heat transfer liquid: Therm 250, bath closed

Bath temperature °C



1 E 4 G
2 E 10 G
3 E 20 G
4 E 25 G

Time min

Important functions

- Integrated programmer for automating temperature profiles
- Adjustment of flow rate switch for internal/external circulation, can be controlled from exterior during operation
- Can be upgraded with Pt100/LiBus module for external control
- Individually limitable working temperature range, as well as a separate setting for overtemperature protection

Included accessories

Cooling coil, bath cover and pump connections (with E 4)

Further accessories

Tubing, bath cover, pump connection set, interface modules (P. 47)

All technical data and power supply variants can be found in the Technical data section.

More at www.lauda.de/1726



LAUDA Alpha

Affordable cooling thermostats for maintaining temperatures from -25 to $100\text{ }^{\circ}\text{C}$ in the lab

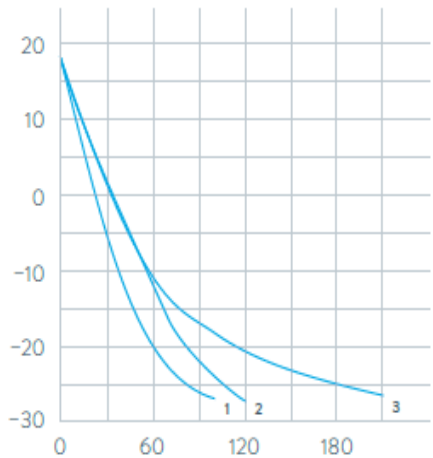


The cost-efficient choice for high-quality LAUDA thermostats

LAUDA Alpha offers reliable technology for temperature ranges from -25 to $100\text{ }^{\circ}\text{C}$. This line of devices is suitable for internal and external temperature control thermostating with non-flammable liquids (water and water/glycol). The thermostats are the perfect solution for most basic temperature control applications in the lab. Optimized down to the most essential functions, this affordable product line will win you over with its reliability and user-friendliness.

COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature $^{\circ}\text{C}$



- 1 RA 8
- 2 RA 12
- 3 RA 24

Important functions

- Stainless steel bath vessels
- Drain connection at the rear

Included accessories

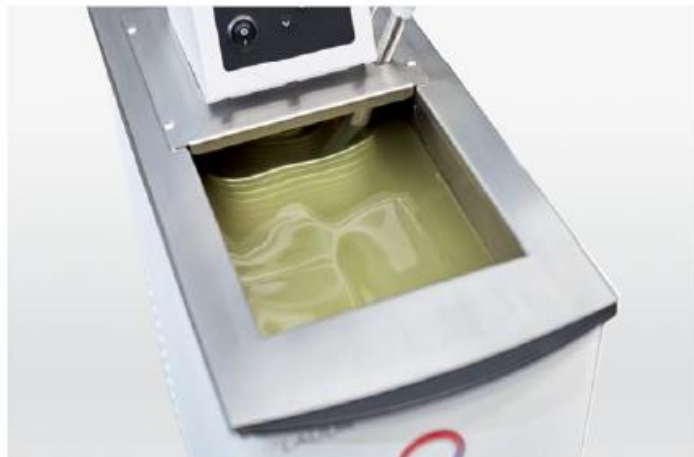
Pump circulation set, bath cover, pump link for pump connections

Further accessories

Racks, tubing

All technical data and power supply variants can be found in the »Technical data» section.

More at www.lauda.de/1736



Cost savings through automatic compressor control: Cooling capacity is only provided when it is needed



Easy cleaning of the cooling air inlet enabled by simple removal of front cover without tools



LAUDA ECO

From -50 to 200 °C: Cooling thermostats for economic temperature control in the lab



Impressive range of capabilities coupled with easy operation

The ECO thermostats are available in Silver (LCD) or Gold (color TFT display) models with a large number of interface modules as accessories. The circulation pump can be adjusted to six levels. The comprehensive model portfolio offers devices with cooling capacities of 180 to 700 watts and minimum temperatures of -15 to -50°C. The devices of the LAUDA ECO series with the highest performance work with an energy-saving LAUDA SmartCool system, which automatically adjusts the cooling capacity to the required operating status.

The low-temperature thermostats are also available with natural refrigerants as standard for extra environmentally-friendly operation.



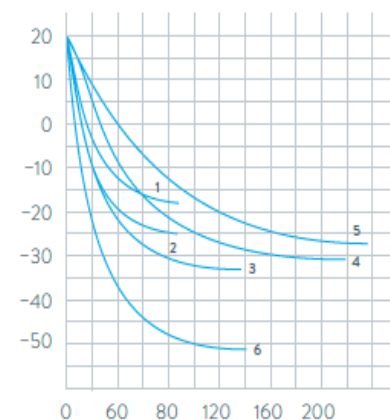
Plain text menu guidance on a monochrome LCD (Silver) or color TFT display (Gold) for easy and intuitive operation



Standard pump connections for temperature control of external applications

COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



- 1 RE 415 G
- 2 RE 420 G
- 3 RE 630 G
- 4 RE 1225 G
- 5 RE 2025 G
- 6 RE 1050 G

Time min

Important functions

- Integrated programmer for automating temperature profiles
- Adjustment of flow rate switch for internal/external circulation, can be actuated from exterior during operation
- USB interface as standard

Included accessories

Bath cover, pump connections, closing plugs

Further accessories

Tubing, interface modules (P. 69)

All technical data and power supply variants can be found in the »Technical data« section.

More at www.lauda.de/1738



LAUDA LOOP

The compact, lightweight circulation thermostat for external applications from 4 to 80 °C

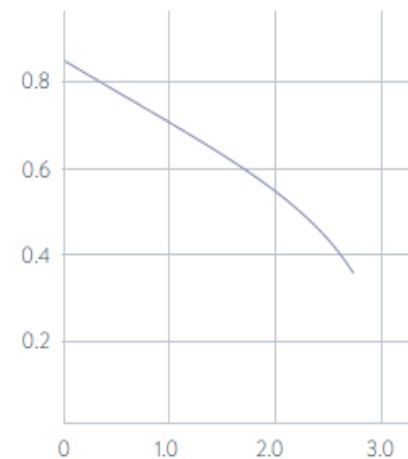
4 °C 80 °C

Extremely versatile, flexibly usable thermo-electric circulation thermostat

The LAUDA LOOP circulation thermostat is sure to impress with its constant temperature range between 4 and 80 °C. Its compact construction and low weight, as well as wide voltage input range of 100 to 240 volts, make it possible to put it to use flexibly and spontaneously anywhere in the world – the »Plug and Play« setup with quick-fit couplings makes it especially easy to use. The intuitive three-button softkey operation and simple menu navigation in five available languages via the well-lit, high-contrast OLED display make using the device a breeze.

PUMP CHARACTERISTIC Water

Pressure bar



Pump flow L/min

Important functions

- Pump connections with quick-fit couplings for easy consumer changes
- Can be operated with non-flammable liquids (water, water/glycol)
- Cooling technology free of coolant ensures silent, low-vibration operation

Included accessories

Hose nozzles for pump connections

Further accessories

Tubing

All technical data and power supply variants can be found in the »Technical data« section.

More at www.lauda.de/1748



Simple three-button controls with OLED display



Standard-issue RS 232 interface for system integration into processes



LAUDA Microcool

Circulation chillers for reliable continuous operation in laboratory and research applications from -10 to 40 °C



Compact circulation chillers with outstanding price-performance ratio

The LAUDA Microcool line of user-friendly circulation chillers consists of four compact models with large LED display and membrane keypad, offering cooling capacities of 0.25 to 1.2 kW. The highlight of these devices is the premium quality centrifugal pump with magnetic coupling – unique to this price category: Magnetic coupling of pump and electric motor prevents any kind of seal issue from arising on the pump shaft, eliminating the chance for any fluid to leak.

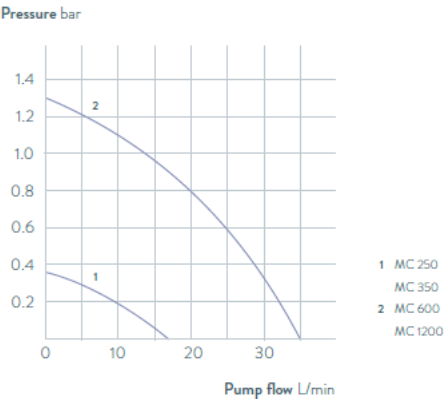


Illuminated viewing glass enables quick identification of the fill level



Standard-issue RS 232 interface and alarm contact

PUMP CHARACTERISTICS Water



Important functions

- Auto-start timer and auto shutdown function
- Filling opening at the top, drain connection at the rear
- Cooling capacity adapted via solenoid valve control, including automatic compressor control

Included accessories

Nipples, screw caps

Further accessories

Tubing

All technical data and power supply variants can be found in the »Technical data« section.

More at www.lauda.de/1764



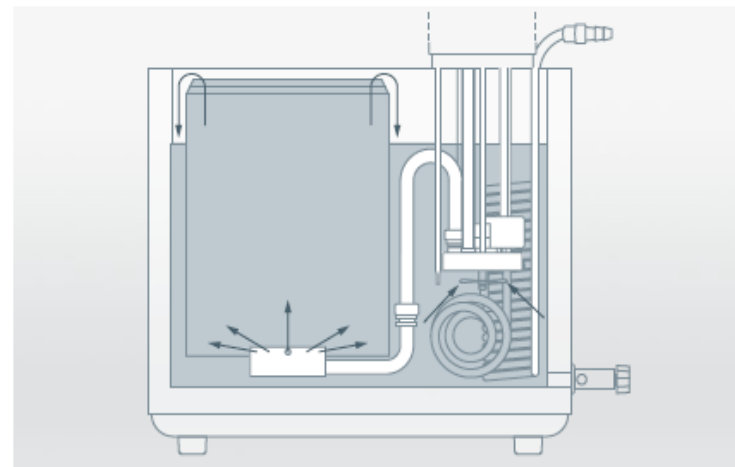
LAUDA ECO

Calibration and adjustment of temperatures from -25 to 200 °C with LAUDA calibration thermostats



High-performance comprehensive solution for calibration and adjustment

LAUDA calibration thermostats provide constant temperature and homogeneity in the test chamber. Depending on the desired size, bath opening and usable depth, different types are available to choose from – each having variable testing chambers, as well as a comprehensive range of products and accessories. The ability of the thermostat to transfer heat through its heat transfer liquid 40 to 60 times better than through air makes it the perfect solution, especially in comparison to heating cabinets and metal block thermostats.



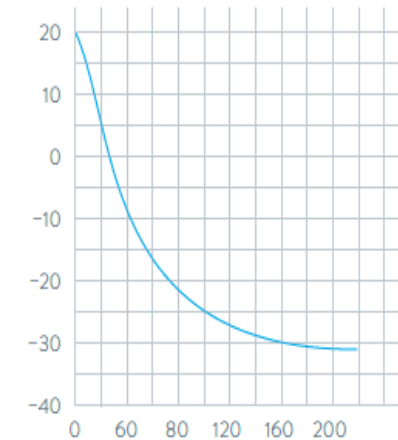
Constant immersion depth thanks to a calibration chamber with overflow principle



Simple operation via TFT display

COOLING PERFORMANCE Heat transfer liquid: Ethanol, bath closed

Bath temperature °C



REJ 1225 G

Important functions

- LAUDA Vario pump with six selectable output levels
- Vertical adjustment of the temperature chamber possible
- Stainless steel bath vessel (insulated, with handles and drain tap)
- USB interface as standard
- Programmer

Included accessories

Nipples, screw caps, bath cover

Further accessories

Calibration racks

All technical data and power supply variants can be found in the Technical data section.



LAUDA Varioshake

Shakers and shaking incubators
in many variants for every application

Orbital, linear, tumbling, rocking and overhead shaking

With the new Varioshake shakers, LAUDA is expanding its product range of reliable laboratory devices for a comprehensive range of application. Like the new LAUDA Hydro water baths, the Varioshake shakers bear the ›GFL Technology‹ quality mark and represent the many years of experience and outstanding quality of the premium manufacturer GFL Gesellschaft für Labortechnik. With the modern LAUDA design and excellent performance data, the new LAUDA laboratory devices are a byword for premium quality and precision.



Varioshake VS 60 OI – compact, economic, powerful

Important functions

- The digitally controlled shakers provide an extended timer range with a stop function and reproducibility by saving the most recent operating parameters
- The analog-controlled models have an extended operating temperature range up to 60 °C

Further accessories

Shaking trays, adhesive mats, non-slip support, test tube racks, clamps for flasks/separating funnels, universal attachments

All technical data and power supply variants can be found in the ›Technical data section.

More at www.lauda.de/1774



A comprehensive range of accessories ensures high flexibility and provides solutions for a large number of laboratory applications



With digital or analog controls – intuitive and easy to operate



OVERVIEW

Shakers

VARIOSHAKE



Load 8 kg

- Shaking tray
330 x 330 mm
- Analogue or digital
controller



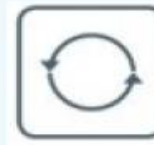
Load 15 kg

- Shaking tray
450 x 450 mm
- Digital controller



Load 30 kg

- Shaking tray
676 x 540 mm
- Digital controller



old design

Overhead
360°

- Rotating rack with 4
levels
- Each level for 3
vessels
- Height-adjustable
clamping device

