LAUDA

how PRO are you?

Discover the new benchmark for no-compromise temperature control:
LAUDA PRO bath and circulation thermostats

The new LAUDA PRO: compact, efficient, powerful.

Optimized to your application.

PRO or PRO?
Your choice.

Real professionals do not make compromises – least of all with temperature control. We developed the new LAUDA PRO thermostats for you.

Powerful bath thermostats for precise internal temperature control from -100 up to 250 °C. And particularly efficient circulation thermostats for dynamic heating and cooling of external applications from -45 up to 250 °C.

Professional laboratory technicians get what they really need with the new LAUDA PRO: no-compromise reliable temperature control in the research environment, application technology and production. **How PRO are you?**

100 % flexibility
for internal temperature control.

Application examples

Functional check of electronic components

Material testing of metal and plastic samples

Sensor calibration

Temperature control of measuring cells

100 % efficiency
for external applications.

Application examples

Thermal control of chemical and biological reactions

Precise temperature control for crystallization processes

Temperature control of measuring and testing rigs, heat exchangers and distillation plant

LAUDA PRO bath thermostats for internal temperature control.

LAUDA PRO circulation thermostats for external applications.

Heating bath thermostats for rapid heating from 30 up to 250 °C and cooling bath thermostats for temperature control from -100 up to 200 °C. The bath thermostats, having volumes of 10, 20 and 30 liters, are entirely tailor-made for bath applications. This focus guarantees the highest level of temperature stability and homogeneity.

Heating circulation thermostats for rapid heating from 30 up to 250 °C and cooling circulation thermostats for temperature control from -45 up to 200 °C. The LAUDA PRO circulation thermostats are the right choice for your external applications. Very low filling volume combined with a powerful Varioflex pump facilitate dynamic temperature control with minimum energy consumption.

Your advantages at a glance

- Temperature control down to -100 °C *
- Reduced minimum fill level with full functionality
- Rapid heating thanks to high heater power of 3.5 kW
- 360° access to the bath
- Waste heat reduction as a result of hybrid cooling
- USB and Ethernet interfaces are standard and other interface modules are available
- Operating unit can be rotated through 360°
- Control possible from up to 50 meters away

* on device type RP 10100

Your advantages at a glance

- Rapid temperature change
- Lower operating costs thanks to low energy and material consumption
- Control possible from up to 50 meters away
- Waste heat reduction as a result of hybrid cooling
- USB and Ethernet interfaces are standard and other interface modules are available

360°
removable

360°
removable

removable

removable

PRO P 10 · LAUDA
PRO RP 2040 · LAUDA
PRO RP 240 E · LAUDA
PRO P 2 E · LAUDA

LAUDA PRO bath cooling thermostats (within the EU and Switzerland using natural refrigerants)

Technical Characteristics		RP 2040	RP 2045	RP 3035	RP 1090	RP 2090	RP 10100
Working temperature range	°C	-40...200	-45...200	-35...200	-90...200	-90...200	-100...200
Temperature stability	±K	0.01	0.01	0.01	0.01	0.01	0.01
Heater power	kW	3.5	3.5	3.5	3.5	3.5	3.5
Cooling output at 20 °C	kW	0.8	1.5	0.8	0.8	0.8	0.4
Bath volume	L	12,5...21	12,5...21	17,5...29,5	6,5...11	12,5...21	6,5...11
Bath opening/bath depth	mm	300x290/200	300x290/200	340x375/200	240x150/200	300x290/200	240x150/200
Dimensions (WxD)	mm	400x565	400x565	440x600	440x600	500x600	500x600
Device height, including Base	mm	680	680	680	730	730	730
Device height, including Command	mm	730	730	730	780	780	780

LAUDA PRO bath heating thermostats

Technical Characteristics		P 10	P 20	P 30
Working temperature range	°C	35...250	30...250	30...250
Temperature stability	±K	0.01	0.01	0.01
Heater power	kW	3.5	3.5	3.5
Bath volume	L	5.5...10	11...20	15,5...28,5
Bath opening/bath depth	mm	240x150/200	300x290/200	340x385/200
Dimensions (WxD)	mm	310x335	350x475	400x600
Device height, including base	mm	365	365	365
Device height, including Command	mm	415	415	415

LAUDA PRO heating circulation thermostats

Technical Characteristics		P 2 E
Working temperature range	°C	35...250
Temperature stability	±K	0.05
Heater power	kW	2.5
Pump pressure/suction	bar	0.7/0.4
Pump flow pressure/suction	L/min	22/20
Pump connection thread	mm	M16x1
Filling volume	L	2.4...4.4
Overall dimensions (WxDxH)	mm	250x365x425

LAUDA PRO cooling circulation thermostats (within the EU and Switzerland using natural refrigerants)

Technical Characteristics		RP 240 E	RP 245 E
Working temperature range	°C	-40...200	-45...200
Temperature stability	±K	0.05	0.05
Heater power	kW	2.5	2.5
Cooling capacity	kW	0.6	0.8
Pump pressure/suction	bar	0.7/0.4	0.7/0.4
Pump flow pressure/suction	L/min	22/20	22/20
Pump connection thread	mm	M16x1	M16x1
Filling volume	L	2.4...4.4	2.4...4.4
Overall dimensions (WxDxH)	mm	300x430x675	300x430x675

Your choice:

BASE control unit.
Flexible and user-friendly.

Control your LAUDA PRO just by pushing a button and maintain an overview on the brilliant OLED displays.

Your advantages at a glance

- ⊕ Bright high contrast OLED display
- ⊕ Convenient control using softkeys and cursor keys
- ⊕ Clear menu navigation
- ⊕ Programmer with 1 program and 20 segments
- ⊕ Removable
- ⊕ Control unit for the bath thermostats can rotate through 360°
- ⊕ Temperature display in °C or °F
- ⊕ Cable extension up to 50 meters

Your choice:

COMMAND control unit.
Convenient multi-touch screen.

Even more convenience is offered by the COMMAND control unit, with its large color multi-touch screen and versatile functions.

Your advantages at a glance

- ⊕ Large color touch screen (5.7")
- ⊕ Multi-touch operation using freely configurable tiles – can also be operated wearing gloves
- ⊕ Zoomable graphic view
- ⊕ Programmer with 100 programs each having 50 segments
- ⊕ Weekly timer and count-down function
- ⊕ Ramp function
- ⊕ Data logging, export to USB stick
- ⊕ Individual user rights for up to 20 users
- ⊕ Removable
- ⊕ Control unit for the bath thermostats can rotate through 360°
- ⊕ Temperature display in °C or °F
- ⊕ Cable extension up to 50 meters

Reliable operating convenience - with and without gloves.

For professionals who want to know more:

how-pro-are-you.com

Further information and a practical product finder
await you at the website:
www.how-pro-are-you.com

Your dealer