

# PRODUCT DATA SHEET

## PRO RP 1090

The LAUDA PRO offers the user a future-proof product line having an outstanding overall concept. A significant innovation in the concept is the subdivision into thermostats for internal applications and thermostats for external applications. Heating and cooling bath thermostats have been optimized for internal applications. Circulation thermostats for external applications are a new category. Small active volumes enable rapid temperature changes. A new approach was also taken with the operating concept. There are two operating units available, Base and Command Touch. These can be removed from the thermostat for very high levels of flexibility. On the one hand, this permits remote control of the devices, and, other hand, this considerably reduces the height of the devices. All thermostats are equipped with an Ethernet and a USB interface as well as a Pt100 connection as standard. The cooling thermostats are also available with natural refrigerants. In addition, they are also equipped with a hybrid cooling system as standard. This enables additional cooling of the refrigerating machine with water.



Working temperature min.  
-90 °C



Working temperature max.  
200 °C

### Technical Attributes

### PRO RP 1090

Working temperature min.	-90 °C
Working temperature max.	200 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.01 ±K
Heater power	3.6 kW
Cooling output at 20°C measured with ethanol	0.8 kW
Cooling output at 0°C measured with ethanol	0.72 kW
Cooling output at -20°C measured with ethanol	0.66 kW
Cooling output at -30°C measured with ethanol	0.63 kW
Cooling output at -40°C measured with ethanol	0.6 kW
Cooling output at -50°C measured with ethanol	0.54 kW
Cooling output at -60°C measured with ethanol	0.37 kW
Cooling output at -70°C measured with ethanol	0.24 kW
Cooling output at -80°C measured with ethanol	0.11 kW

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Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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Technical Attributes	PRO RP 1090
Cooling output at -90°C measured with ethanol	0.02 kW
Power consumption	3.7 kW
Interface(s)	Ethernet, USB (Type B)
Bath volume min.	6.5 L
Bath volume max.	10.5 L
Bath opening width	240 mm
Bath opening depth	150 mm
Bath depth	200 mm
usable depth	180 mm
Dimensions (WxDxH) in mm	440x600x730

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