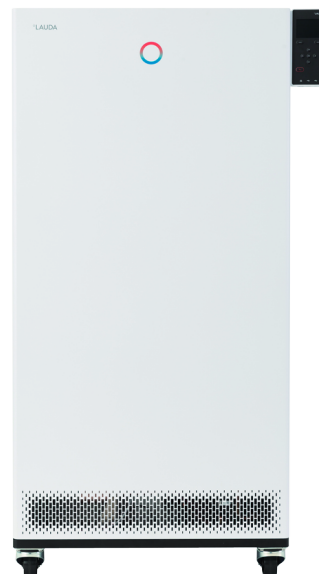


## PRODUCT DATA SHEET

### Integral IN 1830 TW

The new generation of Integral T process thermostats for professional external temperature control from -30 to 120 °C: The new LAUDA Integral T process thermostats ensure efficient control of external temperature control processes in the temperature range from -30 to 150 °C. The units enable rapid temperature changes due to adapted heating and cooling capacities with small internal volumes. Due to the open hydraulic system, the unit vents quickly and without functional restrictions. This makes it ideal for temperature control processes with frequent consumer or specimen changes. Classic areas of application are reaction controls or climate simulations. A reliable, powerful submersible pump and the internal bypass for pressure limitation are standard features of the Integral T.



Working temperature min.  
-30 °C



Working temperature max.  
150 °C

#### Technical Attributes

#### Integral IN 1830 TW

Working temperature min.	-30 °C
Working temperature max.	150 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.1 ±K
Filling volume min.	9.7 L
Filling volume max.	25.5 L
Heater power	16 kW
Cooling output at 20°C measured with ethanol	19 kW
Cooling output at 10°C measured with ethanol	15 kW
Cooling output at 0°C measured with ethanol	11.5 kW
Cooling output at -10°C measured with ethanol	7.5 kW
Cooling output at -20°C measured with ethanol	5 kW
Cooling output at -30°C measured with ethanol	2.7 kW
Power consumption	20 kW

LAUDA DR. R. WOBSEY GMBH & CO. KG  
Pfarrstraße 41/43 • 97922 Lauda-Königshofen  
Postfach 1251 • 97912 Lauda-Königshofen • DE  
  
T +49 (0) 9343 503-0 • F +49 (0) 9343 503-222  
info@lauda.de • www.lauda.de  
WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen  
Registergericht Mannheim • HRA 560069  
  
Persönlich haftende Gesellschafterin:  
LAUDA DR. R. WOBSEY Verwaltungs-GmbH  
Sitz Lauda-Königshofen  
Registergericht Mannheim • HRB 560226

Geschäftsführer:  
Dr. Gunther Wobser (Vors.), Dr. Mario Englert  
Dr. Marc Stricker  
Beirat: Dr. Gerhard Wobser

## PRODUCT DATA SHEET

### Integral IN 1830 TW

Technical Attributes	Integral IN 1830 TW
Interface(s)	Ethernet, USB
Noise level	64 dB(A)
Tube size	1"
Pump connection thread	M38 x 1,5
Pump pressure max.	5.5 bar
Pump flow max. (pressure)	60 L/min
Dimensions (WxDxH) in mm	760 x 650 x 1605

LAUDA DR. R. WOBSE GMBH & CO. KG  
 Pfarrstraße 41/43 • 97922 Lauda-Königshofen  
 Postfach 1251 • 97912 Lauda-Königshofen • DE  
  
 T +49 (0) 9343 503-0 • F +49 (0) 9343 503-222  
 info@lauda.de • www.lauda.de  
 WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen  
 Registergericht Mannheim • HRA 560069  
  
 Persönlich haftende Gesellschafterin:  
 LAUDA DR. R. WOBSE Verwaltungs-GmbH  
 Sitz Lauda-Königshofen  
 Registergericht Mannheim • HRB 560226

Geschäftsführer:  
 Dr. Gunther Wobse (Vors.), Dr. Mario Englert  
 Dr. Marc Stricker  
 Beirat: Dr. Gerhard Wobse