

## PRODUCT DATA SHEET

### Integral IN 1850 XTW

The new generation of the successful Integral XT process thermostats for professional temperature control in the temperature range from -90 to 320 °C: The powerful Integral XT process thermostats use the flow principle with cold oil superimposition. It allows users to use a wide temperature range with one temperature control medium. The electronically controlled, magnetically coupled eight-stage LAUDA Variopump allows the optimum thermal connection of the flow rate both for pressure-sensitive consumers and for applications with high hydraulic resistance. The modular interface concept ensures maximum networking of the user processes.



Working temperature min.  
-50 °C



Working temperature max.  
220 °C

#### Technical Attributes

Technical Attributes	Integral IN 1850 XTW
Working temperature min.	-50 °C
Working temperature max.	220 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.05 ±K
Application	external
Filling volume min.	8.0 L
Filling volume max.	28.6 L
Heater power	16.0 kW
Cooling output at 200°C measured with thermal oil	20.0 kW
Cooling output at 100°C measured with thermal oil	20.0 kW
Cooling output at 20°C measured with ethanol	20.0 kW
Cooling output at 10°C measured with ethanol	15.0 kW
Cooling output at 0°C measured with ethanol	11.5 kW
Cooling output at -10°C measured with ethanol	8.5 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 1850 XTW

Technical Attributes	Integral IN 1850 XTW
Cooling output at -20°C measured with ethanol	6.1 kW
Cooling output at -30°C measured with ethanol	3.6 kW
Cooling output at -40°C measured with ethanol	1.9 kW
Cooling output at -50°C measured with ethanol	1.1 kW
Power consumption	20.0 kW
Interface(s)	Ethernet, USB
Noise level	62 dB(A)
Pump connection thread	M38 x 1,5
Pump pressure max.	6.0 bar
Pump flow max. (pressure)	120 L/min
Dimensions (WxDxH) in mm	760x650x1605

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