

## PRODUCT DATA SHEET

### Integral XT 1850 W

The Integral XT process thermostats operate according to the flow principle with a cold oil blanket that allows the utilization of the entire temperature range through the use of a heat transfer medium. The electronically controlled, magnetically coupled pump can alter the pressure to adapt the flow rate to the relevant process requirements. The Integral XT models can be integrated easily in different process control systems using a wide selection of interface modules.



Working temperature min.  
-50 °C



Working temperature max.  
220 °C

#### Technical Attributes

#### Integral XT 1850 W

Working temperature min.	-50 °C
Working temperature max.	220 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.30 ±K
Application	external
Filling volume min.	9 L
Filling volume expansion vessel	17.4 L
Heater power	10.60 kW
Cooling output at 200°C measured with thermal oil	18.50 kW
Cooling output at 150°C measured with thermal oil	18.50 kW
Cooling output at 100°C measured with thermal oil	18.50 kW
Cooling output at 50°C measured with thermal oil	18.30 kW
Cooling output at 20°C measured with ethanol	18.50 kW
Cooling output at 10°C measured with ethanol	12.50 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. Marc Stricker  
Beirat: Dr. Gerhard Wobser

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Technical Attributes	Integral XT 1850 W
Cooling output at 0°C measured with ethanol	10.30 kW
Cooling output at -10°C measured with ethanol	7.70 kW
Cooling output at -20°C measured with ethanol	5.90 kW
Cooling output at -30°C measured with ethanol	3.80 kW
Cooling output at -40°C measured with ethanol	2.20 kW
Cooling output at -50°C measured with ethanol	1.20 kW
Power consumption	13.80 kW
Interface(s)	RS-232/485
Pump connection thread	M38 x 1,5 A (DN 25)
Pump pressure max.	5.8 bar
Pump flow max. (pressure)	90 L/min
Dimensions (WxDxH) in mm	700x550x1600

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