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

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

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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

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