

## PRODUCT DATA SHEET

### Integral T 1200

The mobile Integral T process thermostats have an adjustable heating and cooling capacity and small, active internal volume that enables fast temperature changes. The minimized thermal ballast makes it possible to control exothermal reactions or simulate climatic influences, for example. Starting with the T 4600 model, the Integral Ts are equipped with an additional pump for independent internal circulation within the internal loop. An adjustable bypass valve between the inlet and outlet of the external loop also enables a reduction in pressure to protect, for example, pressure-sensitive consumers.



Working temperature min.  
-25 °C



Working temperature max.  
120 °C

#### Technical Attributes

Technical Attributes	Integral T 1200
Working temperature min.	-25 °C
Working temperature max.	120 °C
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.20 ±K
Application	external
Filling volume min.	3 L
Filling volume max.	7 L
Cooling output at -5°C measured with ethanol	0.7 kW
Heater power	2.25 kW
Cooling output at 20°C measured with ethanol	1.2 kW
Cooling output at 10°C measured with ethanol	1.0 kW
Cooling output at 5°C measured with ethanol	0.9 kW
Cooling output at 0°C measured with ethanol	0.8 kW
Cooling output at -10°C measured with ethanol	0.6 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 T 1200
Cooling output at -15°C measured with ethanol	0.4 kW
Cooling output at -20°C measured with ethanol	0.18 kW
Cooling output at -25°C measured with ethanol	0.1 kW
Power consumption	2.7 kW
Interface(s)	RS-232/485
Noise level	60 dB(A)
Tube size	3/4"
Pump connection thread	G 3/4/(15)
Pump pressure max.	3.2 bar
Pump flow max. (pressure)	40 L/min
Dimensions (WxDxH) in mm	450x550x790

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