

## PRODUCT DATA SHEET

### Integral IN 2050 PW

The new Integral P process thermostats operate on the principle of pressure superposition. The devices, equipped with a stainless steel pressure vessel, significantly extend the temperature range of non-flammable heat transfer media. Thus, the new Integral P process thermostats enable, for example, the testing of drive systems or stress tests under realistic conditions at favorable operating costs. Integral P process thermostats operate in the working temperature range from -40 to 140 °C with a cooling capacity of 20 or 25 kW.



Working temperature min.  
-40 °C



Working temperature max.  
140 °C

#### Technical Attributes

#### Integral IN 2050 PW

Working temperature min.	-40 °C
Working temperature max.	140 °C
Pressurised blanket max.	4 bar
Ambient temperature min.	5 °C
Ambient temperature max.	40 °C
Temperature stability	0.05 ±K
Application	external
Filling volume min.	11.1 L
Filling volume max.	36.3 L
Heater power	16 kW
Cooling output at 100°C measured with thermal oil	20 kW
Cooling output at 20°C measured with ethanol	20 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	8.5 kW

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

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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
Power consumption	20 kW
Interface(s)	Ethernet, USB
Noise level	58 dB(A)
Pump connection thread	M38 x 1,5
Pump pressure max.	6 bar
Pump flow max. (pressure)	120 L/min
Dimensions (WxDxH) in mm	1100 x 895 x 186

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