

Technical specification

BRTR-88



Compact Temperature Controller – Auto-Tuning – Ramp Control

Compact temperature controller for Berghof reactor heaters

The BRTR-88 offers a compact solution for the temperature control of Berghof reactor systems. The integrated auto-tuning function allows the PID control values to be adapted to the actual system, the used filling volume, reagents, and temperature range. This significantly reduces fluctuations in the holding temperature and thus improves reproducibility.

Technische Details		
Power supply		230 V $\pm$ 10%, 2000VA, 50 Hz
Heater power		2.000 W max.
Temperature sensor		PT100, 4-wire
Type of regulation		PID-control
Display		2x 4-digit display + 4 status LEDs
Weight		1 kg
Dimensions		115 x 210 x 80 mm (W x D x H)
Connections		Power supply Schuko plug (CEE 7/4) Temperature sensor Lemo® Type 0S 4-contact Heating connection for intrinsically safe heating systems from the company Berghof Products + Instruments GmbH

Ramp control

- Ramp control with more than 25 steps possible
- PID-control to reach the desired set temperature

Auto-Tuning

- Optimization of the control parameters for specific setup
- Reduction of temperature variances
- Improved reproducibility

Temperature calibration

- Improving temperature accuracy
- Calibration adaptable to desired temperature range



Further information can be found at:

<https://www.berghof-instruments.com/en/products/brtr-88-temperature-controller/>