

Jetstream II Plus

Peltier Column Thermostat



The peltier heating/cooling column thermostat with the big compartment room can accommodate up to 4 columns with a length of up to 40 cms, ample space for valves and injectors is provided.

Input is simplest via the alphanumeric keypad or Rs232-Interface. Temperature control completely programmable, isothermal steps / linear gradients.

Precise temperature control enhances separation and reproducibility and improves the quality of your analysis.

Using the peltier-technology offers you the possibility of heating and cooling, providing you with complete independence of the room temperature. This feature doesn't only "come in handy" when working in low temperature ranges; with works having to be done at room temperature, a cooling might be necessary to grant exact steering.

Double-sensor-reference-technology and auto-calibration. Recurrent precise analysis...

...guaranteed.

JETSTREAM 2-PLUS p.n. 5480

Peltier heating / cooling column thermostat, fully programmable; isothermal steps and linear gradients, for 4 columns with a length of up to 40 cm, integrated leaksensor with adjustable sensitivity, column-protection with temperature-lock-feature valves and injectors can be built in

- large Temperature-range (5°-85° C)
- highest stability ($\pm 0.02^\circ\text{C}$) !!
and reproducibility ($\pm 0.1^\circ\text{C}$)
by the DSR (Double-Sensor-Reference-technology)
- Autocalibration and additional correction via keyboard,
Leaksensor with adjustable sensitivity, auto-switch-off
and "T-Lock"- column protection feature
- highest level of security through continuous function monitoring
- Rs232-Interface for GLP-Conformity

5-85 °C
Stability! $\pm 0.02^\circ\text{C}$

JETSTREAM II PLUS

Heating / Cooling System

The 2-way-forced-air-circulation guarantees perfectly even distribution of the thermostated air within the column compartment.

- + Temperature control by Double-Sensor-Reference-Technology:
2 independent sensors, one laser trimmed, the other one, a PT as it is used in most of the precise instruments in continuous comparison to a precision-reference.

Column Compartment

Thermo-insulated from the environment, accommodate up to 4 columns with a length of up to 40 cm. Ample space provided for pre-columns injector-valve and column-switch valve. Usable in horizontal and vertical position.

- + compact outline dimensions for small installation space

Electronics / Programming / External Controls

Self check and autocalibration at power-on, self-explaining instructions by 2-line liquid crystal display linear ramp calculations or steps can be programmed. Selectable parameters are: temperature, duration and rate of heating/cooling.

- + Input of temperature in Celsius or Fahrenheit,
- + Rs232 Windows application, control over voltage free contacts

Autocalibration

To ease in-house-quality-controls, we have created the auto-calibration-feature. After the input of a certain combination over the keypad, the column-thermostat will start an 8-hour-self-calibration- and control-routine. In addition, temperatures can be corrected via the keypad.

- + Auto-Calibration-Feature and temperature-correction easiest via keypad

Security

Integrated leak detection with adjustable sensitivity, acoustic warning signal and auto-switch-off. Temperature-Security-Feature (T-Lock) setable overtemperature protection to prevent destruction of temperature sensitive columns caused by handling errors. Continuous function monitoring and overtemperature protection for general safety.

- + 2 independent sensors and Fuzzy Control Software for controlling

Specifications

Temp. Range	5-85°
Temp. Accuracy	+/- 0,1 °
Temp. Stability	+/- 0.02 °
Power supply	100-245VAC 50/60Hz 100W
Outline dimensions	135(W)x310(L)x450(H) mm,
Weight	11 kg

Your local distributor