

# KONIK HPLC 560 Column Oven

Technical Document  
Note Reference:  
LC5OVEN\_LEA\_E051006  
Product Reference:  
KNK-059-585

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KONIK HPLC 560 Column Oven has been specially designed for the use in chemical and biological routine analysis, including research laboratories. Its areas of application range from analytical to preparative HPLC.

A stable column temperature not only improves the reproducibility, but rather considerably improves the resolution of certain HPLC methods as well.

The reliable control of the temperature, which covers a range of 5-85°C has been realized with the use of a microprocessor controlled Peltier element. The measurement of the temperature is carried out with high accuracy using Double Reference Sensor Technology.

The powerful interior fan provides for 2-way air circulation and a perfectly even distribution of the thermostatted air in the column compartment, enabling quick ramping of the temperature.



## Technical Data

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The remote keypad enables access to all the thermostat's functions and displays target and actual temperature in increments of 0.1°C.

The KONIK HPLC 560 Column Oven can hold up to 4 liquid chromatography columns with a maximum length of 350 mm each. The maximum inner diameter of the HPLC columns is 20 mm.

In addition to the standard temperature adjustment, it is possible to program temperature gradients with up to 99 steps to optimize an analysis.

The temperature can either be controlled with the supplied control panel or externally with a PC. Gradients can be conveniently programmed with our chromatography software KONIKROM®.

### Technical Data :

<b>Heating and Cooling System</b>
Microprocessor controlled. Peltier element for heating and cooling. Fan supported 2-way air circulation.
<b>Column Compartment</b>
Interior: Thermally insulated
Columns: analytical and preparative columns up to 20 mm ID and 350 mm length; maximum of 4 columns.
Dimensions (interior): 90 x 390 x 47 mm (W x H x D)
Injection Valve: optional with an integrated 6-port / 2-channel injection valve (SS or PEEK)
<b>Temperature Control</b>
Temperature Range: 5 - 85°C
Accuracy: ± 0.2°C
Stability: ± 0.1°C
Heating/Cooling Rate: 2°C/min
<b>Technical Parameters</b>
Power Supply voltage range: 90 - 230 V, 50 - 60 Hz, 100 W
LC Display: target/actual temperature (simultaneously)
Temperature Adjustment: with the included keyboard or via RS-232
Operation: manually or software-controlled
Programming: temperature gradient (99 steps or linear)
Leak Detector: adjustable sensitivity; acoustic signal; turn-off switch
Safety: self-check and auto-calibration at power-on; selectable turn-off temperature.
<b>Dimensions / Weight</b>
150 x 470 x 300 mm (W x H x D) / 8.4 kg

The information on this Product Leaflet is subject to change without previous notice.

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