



The Extra Expert in your lab!

Column Oven L-2350

Improves the Quality of Your Analyses



*Rapid Temperature Equilibration and
Highest Temperature Stability for up to 8 Columns*

The Model L-2350 Column Oven incorporates new technology that not only provides superior temperature stability and uniformity throughout the thermostatted column compartment, but also reduces thermal gradients inside the column resulting in improved peak shapes. Two optional switching valves can be mounted to meet your special requests.

Rapid Temperature Equilibration and Eluent Pre-heating

In the L-2350 column oven the Peltier thermostatisation block is combined with an air circulating fan. This ensures very quick temperature equilibration after setting the desired working temperature. The L-2350 provides an eluent pre-heating section, which allows to adapt the length of the pre-heating capillary according to the flow rate used. Better peak symmetries and narrower peaks are obtained.

Highest Retention Time Repeatability by Extreme Temperature Stability

The temperature control unit of the L-2350 with the combined thermostatisation block / fan principle maintains an extreme stable temperature in the column compartment, even if the ambient temperature is subject to larger changes. This guarantees extreme retention time stability for your analysis series.

Automatic Analytical Operation Using Three-Column Selector Unit and Multi-Port Valves

The optional three-column selector unit can be mounted for selection any one of three columns for an analytical measurement. This provision is most suitable for HPLC method development and multi-method analyses. A second multi-port switching valves allows you to perform special applications, e.g. backflush of the column, sample enrichment and clean-up, and multidimensional chromatography.

Programmable Temperature Gradient

The column oven is equipped with a time program that allows to program a temperature gradient, the positions of the optional valves and event outputs. This extreme versatility allows to fulfill and to automate even very advanced application requests.

Easy Access from the Front

In the thermostatted column compartment either up to four large columns or up to 8 small columns can be mounted easily from the front. You have unrestricted access to the optional manual injection valve, the column switching valve and the multi-port valve.

Specifications

General data

Principle	Peltier thermostatisation block and forced air circulation
Temperature range	Ambient temperature -15 C° up to ambient temperature +65 C°
Capacity	4 columns (length: up to 500 mm)
Temperature accuracy	± 1 C°
Temperature stability	± 0.1 C°
Temperature equilibration	Tolerance range adjustable
Temperature program	- Temperature setting for temperature gradient - Position change of optional valves - Event output (level, pulse)
Safety	- Adjustable leak sensor - Overheat protection - Door sensor
GLP functions	Generally available: - Status indication - Halt sample injection until temperature equilibration is finished Available with control by EZChrom Elite®: - Temperature profile during analysis - Transfer of instrument serial number - Error logbook
Temperature monitor:	- Oven temperature - Ambient temperature
In/out contacts	- START in, ERROR in, ERROR out, Analog Temp. out, - 4 event contact outputs,
Options	- UI Pad (LCD + key pad) - Column selection valve (3 columns) - 6-port 2-way switching valve or 10-port 2-way switching valve - USB-Interface board
Power requirements	100-240 V (50 or 60 Hz), 300 VA
Dimensions	210 (W) x 360 (D) x 615 (H) mm

Ordering Information

Cat. No.	Designation
903-0086	L-2350 Column Oven
903-0091	UI Pad kit for Column Oven
903-0093	3-Column selection valve incl. mounting parts
903-0094	6-port 2-position switching valve incl. mounting parts
903-0095	10-port 2-position switching valve incl. mounting parts
903-0028	USB Interface board with cable
903-0027	USB Interface board w/o cable

For more information please contact

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