

AZURA® Column Thermostat CT 2.1

The AZURA® CT 2.1 is a price attractive basic column thermostat. It allows temperature control in the range of 5 °C and 85 °C and thus is appropriate for most HPLC applications. For advanced purification and analysis purposes, the oven can optionally be equipped with an eluent pre-heating cartridge. This ensures even more constant separation conditions leading to higher selectivity and an improved peak shape.

The instrument operates with a microprocessor controlled Peltier element for precise temperature settings. In combination with its high temperature stability, this allows programming of linear as well as non-linear temperature gradients.



Specifications

Thermostatting

Heating and cooling system	microprocessor controlled Peltier element for heating and cooling, fan supported 2-way air circulation
Temperature range	5-85 °C
Heating/cooling rate	2 °C/min
Temperature accuracy	± 0.2 °C
Temperature stability	± 0.1 °C



KNAUER offers various software control options:
www.knauer.net/softwarecontrol

Column compartment

Column dimensions	max. number	max. length*	max. outer diameter*	matching column
	8	160 mm	12 mm	125 mm x 4.6 mm ID with precolumn
	4	325 mm	12 mm	300 mm x 4.6 mm ID
	1	325 mm	35 mm	300 mm x 16 mm ID

*total outer dimensions of the column including screw caps

Dimensions, internal	90 x 390 x 47 mm (W x H x D)
Safety	self-check and auto-calibration at power-on, selectable turn-off temperature
Leak sensor	gas sensor, adjustable sensitivity, acoustic signal, turn-off switch

Communication

Control	optional for Stand-alone functionality: - keyboard unit with LCD - Mobile Control
Interfaces	LAN Interface

General

Power supply	90-230 V, 50-60 Hz, 100 W
Dimensions	150 x 470 x 310 mm (W x H x D)
Weight	8.4 kg

Other

Optional accessories	Cartridge for Eluent pre-heating for capillary with an ID of 0.1 or 0.18 mm
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Ordering details:

Device

A05852 Column thermostat AZURA® CT 2.1 for constant temperatures and reproducible results

Accessories

A05852-3 Cartridge for eluent Pre-heating ID 0.1 mm, ~5.5 µl
 A05852-2 Cartridge for eluent Pre-heating ID 0.18 mm, ~18 µl
 A05852-1 Keyboard unit for stand-alone operation



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