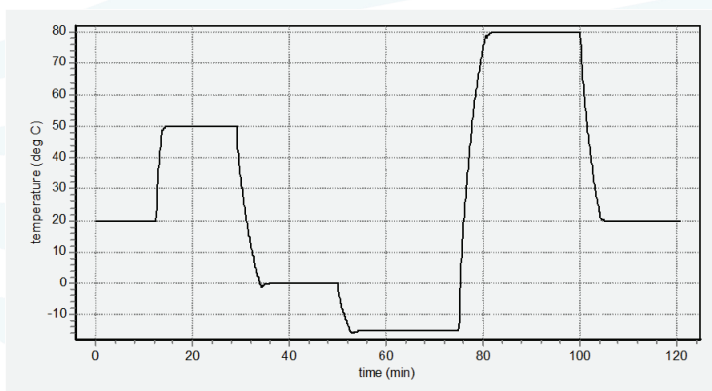


The CD 250/AP is a Peltier-based, temperature-controlled cuvette holder for the Chirascan Circular Dichroism Spectrometer.

- Rapid, precise control over a wide range of temperatures
- Carriages available to accommodate common cell types
- Fully automated through the Chirascan software package
- Calibrated using a NIST-traceable thermometer
- Variable speed magnetic stirring
- Dry gas purge
- Strain-free fused silica windows to stabilize temperatures
- Additional optical port at 90° for fluorescence measurements
- Thermometer probe input
- TC 125 Temperature Controller included



Each unit is provided with a performance plot.

Specifications:

- | | |
|---------------------------|-----------------------------------------------------|
| • Temperature Range* | -25 °C to +105 °C |
| • Temperature Precision | ± 0.02 °C |
| • Optical Port Dimensions | 12.5 mm diameter round or 9x9 mm square (with mask) |
| • Fluorescence Port | 12 mm high x 10 mm wide |
| • Probes Accepted | Series 400 or Series 500 |
| • Cuvettes Accepted:** | |
| Standard Cuvette Size | 10 mm x 10 mm I.D. |
| Rectangular Cuvettes | 5x10 mm, 2x10 mm, 1x10 mm |
| Short Path Cells | Hellma 121.000, Starna 31 |
| 10 mm cylindrical cell | Hellma 120 |

* Operation below the ambient dew point temperature requires dry gas purge. Operation below -10 °C requires dry gas purge and pre-cooled circulating fluid within 25 °C of the desired temperature.

Components included in each purchase

- CD 250 Cuvette Holder
- TC 125 Temperature Controller
- Performance Plot and Calibration Data
- Magnetic Stir Bar, Tubing, Cables, Optical Slits, Opaque Lid
- T-App Temperature Application Software
T-App permits external computer control of the TC 125 Temperature Controller, plotting cuvette holder or probe temperatures vs. time, and enabling programming for functions such as temperature ramping.



TC 125 Temperature Controller

Optional Components available

- Cuvette Carriages
A variety of carriages are available to accommodate different cuvette types. These include standard carriages for 10 mm x 10 mm, 10 mm x 5 mm, 10 mm x 2 mm, 10 mm x 1 mm, Hellma 121.000, Hellma 120 and Starna Type 31. Custom built cuvette carriages can also be provided for other cuvettes that may be used in the Chirascan.
- BATH 100 Circulator
The BATH 100 Circulator is a submersible pump, bucket, tubing and fittings used to circulate water or other fluid through the Peltier heat exchanger to draw out heat when the temperature is lowered.