

- Spectrophotometer thermal cell
- First standard 12.5 mm x 12.5 mm cuvette
- -40°C - 160°C with thermoelectric heating and cooling
- Designed for thermal control of liquid phase processes in standard cuvettes during spectrophotometry
- Explore the chemical kinetics of liquid-phase reactions and processes
- Research materials composition in solids, liquids, and gases

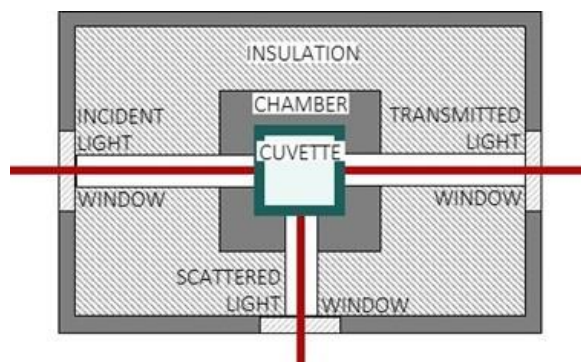
STRUCTURAL FEATURES

Sample Chamber	12.5 mm x 12.5 mm to fit standard cuvettes
Sample Access	Top quick-access flip cover
Mounting	vertical mounting
Frame Dimensions	75 mm x 68 mm x 50 mm
Weight	500 g / 750 g with cable



OPTICAL FEATURES

Optical access	3 apertures for incident, transmitted, and 90° scattered light
Optical windows	Removable and exchangeable windows permit full-spectrum transparency
Aperture for 90° scattered light	5 mm diameter
Transmission Aperture	5 mm diameter



THERMAL FEATURES

Temperature Control	mK2000 with programmable precision switching PID method
Thermal Block	Black anodized aluminum
Temperature Minimum	-30°C with optional chiller -40°C optional
Temperature Maximum	160°C
Temperature Sensor	100 Ω Platinum RTD
Maximum Heating Rate	+12°C per minute at 37°C
Maximum Cooling Rate	-10°C per minute at 37°C
Minimum Heating and Cooling Rate	±0.1°C per hour
Temperature Resolution	0.01°C
Temperature Stability	±0.05°C
Power supply	Universal power input
Software	Windows software to record and export temperature-time data
Temperature Control	mK2000 with programmable precision switching PID method