

Advanced Programmable Temperature Controller

Excellent precision and performance, highly intuitive operation.



Features:

- $\pm 0.01^{\circ}\text{C}$ temperature stability
- 200°C maximum temperature
- Time/temperature programming (ten 100-step programs)
- Intuitive 4.3" (10.9 cm) SmartTouch display
- 6 languages: French, German, Spanish, Chinese, Arabic, English
- Variable-speed pressure/suction pump
- Swivel 180° Rotating Controller
- On-board connectivity: USB-A & B, RS232/RS485, Ethernet and external temperature probe
- Event scheduling (time & date) with real-time clock
- Review temperature trends for up to 10 days
- On-screen help
- Automatic and/or user-adjustable performance optimization
- 5-point calibration capability
- Safety Class III (DIN 12876-1)
- External temperature control capability



Precise

Maintains temperatures from -40° to +200°C with $\pm 0.01^\circ\text{C}$ temperature stability. Displays actual bath temperature to $1/1000^\circ$ temperature resolution and temperature trends from 4 minutes to 10 days. For more precise performance, the Advanced Programmable Controller offers advanced fluid tuning, user-settable temperature averaging on the display, and temperature control of an external application.

Powerful

Extremely easy to use, the Advanced Programmable Controller's time/temperature programming interface is similar to that featured on the PolyScience Performance Programmable Controller. You can name, add, edit or delete steps quickly. Settable time or temperature priority ensures programs run as intended. Plus for added convenience you can preview, share, or schedule a program to run automatically. The controller can store 10 programs of up to 100 steps each.

Connected

Extensive connectivity capabilities enable you to control and communicate with your circulator in a wide variety of ways, including Ethernet, RS232, addressable RS485, USB-A and USB-B. For additional communications flexibility, you can even emulate the command protocols of other popular circulating baths and communicate with your circulator using an iPhone®.

Accessible

On-screen help and intuitive touch screen operation make using the Advanced Programmable Controller exceptionally easy. Set-point changes, programming, and operational changes are simple and fast.

Safe

Class III flammability rating (per DIN 12876-1), redundant over-temperature protection, high and low temperature limits and alarms alert you instantly to conditions that fall outside normal operating parameters. Lockout capability prevents unauthorized operational changes.