

Performance Digital Temperature Controller

Delivers the ultimate in precision and performance for applications that require exacting control at a precise temperature.

Includes Enhanced Performance Hardware & Software Package:

- Pt100 temperature probe for external temperature control
- USB flash drive for data logging
- Stainless steel tubing fittings and adapters
- PolyScience LabVIEW™ Virtual Instrument (VI)
- iPhone® application download



Features:

- $\pm 0.005^{\circ}\text{C}$ temperature stability
- 200°C maximum temperature
- Intuitive 4.3" (10.9 cm) SmartTouch display
- 11 languages: French, German, Spanish, Chinese, Portuguese, Russian, Hindi, Arabic, Italian, Korean, English
- Variable-speed pressure/suction pump
- Review temperature trends for up to 10 days
- Swivel 180™ Rotating Controller
- User-adjustable high and low temperature limits and alarms
- Multiple, selectable "home" screens
- Event scheduling (time & date) with real-time clock
- On-screen help
- Automatic and/or user-adjustable performance optimization
- On-board connectivity: USB-A & B, Ethernet, RS232/485, remote on/off and external temperature probe
- 10-point calibration capability
- Safety Class III (DIN 12876-1)
- External temperature control capability
- Available with DeviceNet™/CANbus, Modbus®, and Profibus® options



Exceptional Performance

Designed to provide exceptionally precise control for single set-point applications, the Performance Digital Controller delivers $\pm 0.005^\circ$ stability at temperatures ranging from -40° to $+200^\circ\text{C}$ and displays temperature to $1/1000^\circ$. Other precision-enhancing features include 10-point calibration capability, advanced fluid tuning and remote temperature control of external applications.

Unequaled Connectivity

The Performance Digital's extensive suite of control, data logging, and communications options make it easy to integrate into your lab's communication platform. Connectivity capabilities include Ethernet, remote on/off, RS232, addressable RS485, and USB A and USB B plus command and communication protocols for other popular circulating baths. There's even an iPhone® application that lets you check bath status or change the temperature set-point from remote locations.

Global Convenience

Icon-driven multi-language menus and contextual on-screen help guide you quickly through setup and operation. One-touch access with flexible temperature entry makes set-point changes fast and straightforward. User-settable reminders automatically alert you when routine maintenance is required.

Outstanding Safety

Over-temperature and low-liquid level protection (DIN 12876-1 Class III flammability rating), redundant over-temperature protection, high and low temperature limits and alarms provide exceptional safety and peace of mind. In addition, there's a password protected lockout to help prevent accidental or unauthorized operational changes.