



## Series F4 Temperature Controller



The Series F4 is our flagship temperature controller. It features a four line high definition LCD display, a high performance 16 bit microprocessor, up to 256 steps programmable into up to 40 named profiles, real time clock with battery backup, serial EIA-232 communications, 20 Hz sensor update rate and powerful cascade software control. Two input sensors allow the F4 to monitor both the process temperature and the temperature of the device under test. The cascade control feature along with 5 sets of PID allows integration of the two sensor inputs reducing time to temperature while eliminating temperature errors and overshoot. In addition to the LCD display the F4 has a very large seven segment LED display.

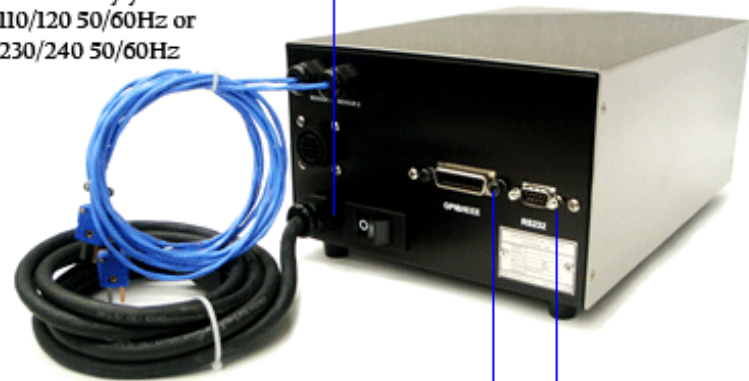
The F4 is the most powerful and flexible controller available. It can be ordered in both single and dual channel models. The F4 supports thermocouple and RTD sensors so it can be used as a retrofit controller for almost any thermal platform system including those using a 500 ohm RTD. The built in menu driven help files makes using the F4 extremely intuitive.



### Standard Features:

- 4 line high definition LCD display
- 5 digit, seven segment LED display
- 16 bit microprocessor
- 5 normal and 5 cascade PID sets
- up to 256 steps and 40 named profiles
- Real time battery backed clock
- Cascade software control
- Serial EIA-232 communications
- Built-in menu guided help screens
- Auto tuning of normal and cascade control

Powered by your choice of:  
110/120 50/60Hz or  
230/240 50/60Hz



Optional IEEE-488 GPIB interface.  
Standard Serial EIA-232 communication interface.

<b>Operator Interface</b>	High definition LCD and large seven segment LED
<b>Inputs</b>	Thermocouple or RTD including 500 ohm
<b>Output 1</b>	Heat
<b>Output 2</b>	Cool
<b>Communications</b>	EIA-232 w/Modbus RTU protocol and/or IEEE-488 GPIB
<b>Profiles</b>	40 named files, up to 256 total steps and 255 repeats
<b>EIA 232 Connector</b>	Standard 9 pin "D" type