

# Keypad Gradient Controller



- Gradient controller for 2-4 Chrom Tech pumps
- Stores up to 10 gradient methods
- Stored methods may be linked — automate a wash cycled at the end of a run or a shut down method
- Controller includes PC software — allows the user to modify a few preset defaults and upload to controller

### **Compact and Versatile**

The keypad controller offers a simple yet effective means of gradient control for a combination of any 2-4 Chrom Tech pumps via RS232 communication. The use of this compact keypad eliminates the requirement of a cumbersome PC-based alternative for gradient control, especially in situations where space is a constraint.

### **Easy Setup**

Connecting the controller to the pumps could not be easier. Simply connect the pump cables from the keypad connector to the appropriate pump RS-232 input. A 'start' cable is included for external start (TTL or contact closure) of the gradient method from an injector or autosampler.

### **Flexible upgrade for any existing system**

Upgrade any isocratic system to binary gradient by adding a pump and controller. Future upgrade to quaternary gradient is easily accomplished by merely adding additional Chrom Tech pumps.

### **Simple to Operate**

The controller has the capability to store 10 gradient methods. The “status” screen displays the current system pressure, current composition, and the stage of the gradient run – idle mode, initial conditions, waiting for injection, run, delay, etc. A run in progress can be stopped at any time, and a sequence stopped or aborted at any time.

### **Useful Extra Features**

The controller monitors the system pressure at pump A and will turn off all connected pumps if the pressure limit settings for the selected method are exceeded — a particularly effective safety feature for gradient control, especially when only one of the pumps has pressure monitoring.

Stored methods may be linked - a useful feature for automating a wash cycle at the end of the run or running a shutdown method at the end of a sequence.

Each connected pump can be auto-primed at the touch of a button from the “prime” screen of the keypad controller.

### **Keypad Gradient Controller Ordering Information**

<b>Cat.No.</b>	<b>Description</b>
<b>SCU-470</b>	Keypad controller for most Chrom Tech pumps
<b>SCU-460</b>	Keypad controller for Chrom Tech pumps with 0.001mL/min increments

*Includes 4 pump cables, 1 external start cable, 1 PC cable, SCU control center software CD, 100-240 Vac power supply.*  
 Dimensions: 8" x 4" x 1.8" (L x W x D)  
 (20 cm x 10 cm x 4.5 cm)

**Chrom Tech, Inc.**

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