



BARTLETT Instrument Company

Slow That Kiln Down! Program A Down Ramp

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User5-Bartlett				
#	Rate	Temp	Hold	F
1	300	1000	0:00	
2	500	2320	0:10	
3	9999	2000	3:00	
4	200	1800	1:00	
BACK SAVE GRAPH				

Often times we get phone calls from customers whose kilns are cooling quicker than they would like. The simple solution is to program a cooling, or down ramp, to slow the process as the last segment of the firing. Then, the user can control exactly how slowly the kiln will cool before shutting off.

Doing a controlled down ramp can make a big difference for certain glazes, but it can also impact some poorly so it's important to do some testing or research before you use a down ramp. In some glazes a down ramp will give better depth and color to the piece, along with crystal development. It can also help fire all the pieces in the kiln more evenly. Pieces may also crack if cooled too quickly, so programming a down ramp can help prevent that.

Programming a down ramp with a Bartlett controller is pretty simple.

- First load a Ramp Hold (RTC1000 & 3Key), Vary-Fire (V6CF), or Custom (Genesis) program
- Program each segment as you normally would (Ramp Rate, Temperature, and Hold time)
- We will then enter one final segment, the down ramp. The final segment's temperature set point should be lower than the previous segment's set point. For example:

- Segment 3 - temperature set point - 2000°F
- Segment 4 (Down Ramp) - temperature set point - 1800°F
- Enter the ramp rate (number of degrees per hour the kiln should cool)
 - Ex: Cooling from 2000°F to 1800°F with a ramp rate of 200, it would take the kiln 1 hour to cool to 1800°F.
- Finally, set the hold time for the final segment. If one isn't needed, set it to 0.

That's it for this one. If you've got questions about programming a down ramp, you can give us a call and we will be happy to help!

BARTLETT

Instrument Company

1032 Avenue H

Fort Madison, IA 52627

Phone: 1(888)404-9026 **Fax:** (319)372-5560

www.bartinst.com