BARTLETT Instrument Company

What's A Cone Offset & How To Effectively Use It

Using a cone offset can be very useful when you want to help correct an over or under-firing. By setting a cone offset, you are able to raise or lower the final cone temperature by a maximum of 50°F (28°C). This allows you to change the heat work of a particular cone if the kiln appears to be firing too hot or too cold.

There are a few important things to remember when using a cone offset. A cone offset is only for the selected cone, it does not effect other cone temperatures and will remain until it is set again. Thermocouple offsets and cone offsets have a similar affect, but the main difference is a thermocouple offset effects all temperature values, not just a single cone. New elements in a kiln will sometimes run hotter than worn elements, in which case a cone offset would be a good option to fix that.

To program your V6CF or RTC1000 for a cone offset:

- Press the ENTER/START key for the RTC1000. Skip this step for the V6CF.
- Then, press the MENU key until "CNOS" is displayed.
- Press the ENTER key and CONE will alternately flash with a cone number.
- Type in the desired cone number for the cone offset and press ENTER. Be aware there is a difference between a Cone 8 and Cone 08.
- °F will alternately flash with the current offset for that cone.
    - To set a negative offset (decrease heat work), type 9,0, then degrees of offset, up to 50°F.

- To set a positive offset (increase heat work), just type the degrees of offset, up to 50°F.
- After entering the offset, press ENTER and the controller will return to IDLE.

If you have questions about how to use a cone offset, give us a call or send us an email and we'll be glad to help!

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