


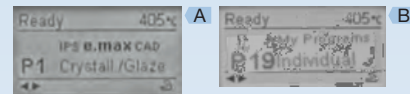
Setting Up Your Ivoclar Programat® CS for Obsidian® Lithium Silicate Ceramic

STEP 1 Calibrate Your Oven




- Calibrate your oven per manufacturer's instructions

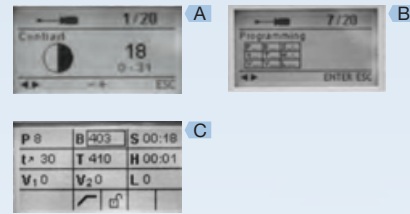
STEP 2 Modifying a Program

- From the standby mode screen (shown in image A), use the "Cursor" keys  to scroll through the screens until arriving at the program you desire to modify (shown in image B)







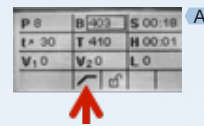
STEP 3 Programming Screen

- Press the "Settings" key  on the main control panel, which will take you to the contrast adjustment screen shown in image A
- Use the "Cursor" keys  to scroll through the screens until arriving at the programming screen (screen 7 of 20), shown in image B
- Press the "Enter" button . The screen will look like image C






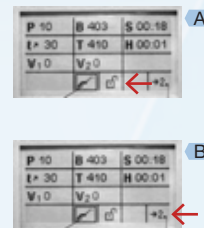
STEP 4 One Stage/Two Stage

- Use the "Cursor" keys  to scroll through the cells until arriving at the one stage/two stage cell shown in image A
- Ensure the oven is in two stage mode and showing one of the following symbols: 
- If your oven is in one stage mode as indicated by  press  to enter two stage mode





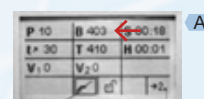
STEP 5 Stage Indicator

- Use the "Cursor" keys  to scroll through the cells until arriving at the one stage/two stage cell shown in image A
- The screen should show one stage as indicated by . The lower portion of the stage indicator is in bold, and the one stage/two stage indicator should read → 2. If the indicator reads 1←, press  once so it reads → 2 as shown in image B















STEP 6 Enter Values




- You are now ready to enter values into each of the cells shown. Use the "Cursor" keys  to scroll through the cells until arriving at the "B" cell as shown in image A
- Use the  keys to change the value in the "B" cell to 400

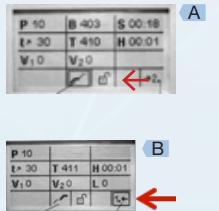


STEP 6 (CONTINUED)















- Use the  keys to reach the "S" cell, and use the  keys to change value to 03:00
- Use the  keys to reach the "t /" cell, and use the  keys to change value to 90
- Use the  keys to reach the "T" cell, and use the  keys to change value to 780
- Use the  keys to reach the "H" cell, and use the  keys to change value to 00:10
- Use the  keys to reach the "V1" cell, and use the  keys to change value to 400
- Use the  keys to reach the "V2" cell, and use the  keys to change value to 780

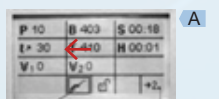
STEP 7 One Stage/Two Stage

- Use the "Cursor" keys  to scroll through the cells until arriving at the one stage/two stage cell shown in image A
- The screen should show one stage as indicated by . The lower portion of the stage indicator is in bold, and the one stage/two stage indicator should read → 2. If the indicator reads 1← as shown in image B, press  once so it reads → 2



STEP 8 Enter Values







- You are now ready to enter values into each of the cells shown. Use the "Cursor" keys  to scroll through the cells until arriving at the "t /" cell as shown in image A
- Use the  keys to change the value in the "t /" cell to 40
- Use the  keys to reach the "T" cell, and use the  keys to change value to 820
- Use the  keys to reach the "H" cell, and use the  keys to change value to 10:00
- Use the  keys to reach the "V1" cell, and use the  keys to change value to 780
- Use the  keys to reach the "V2" cell, and use the  keys to change value to 819
- Use the  keys to reach the "L" cell, and use the  keys to change value to 680
- Use the  keys to reach the "tL" cell, and use the  keys change value to 50



Note: The preceding furnace parameters are to be used for crystallizing the milled Obsidian restorations. If the Obsidian crown appears "over-glazed" or "too glossy," please recalibrate your oven. If the problem continues, please lower the final hold/firing temperature by 5°C increments as recommended in the Obsidian User Manual, which can be found at www.obsidianceramic.com/resources/index.aspx. Since each user's furnace performance may be unique, the user may find their final hold/firing temperature range will be slightly lower than the recommended 820°C (i.e. between 810-820°C).

STEP 9 Naming the Cycle

Now you are ready to name the Obsidian firing cycle.

- Press the "Esc" key  to go back to the programming screen, shown in image A
- Press the  keys and the "Enter" key  to go to the keyboard screen, shown in image B
- Enter the nomenclature desired by navigating to the correct letters with the  keys and pressing the "Enter" key 
- Once the name is completed, press the "Esc" key  to finalize the name

