This manual is for guidance on the use of the Carbolite Gero product specified on the front cover. This manual should be read thoroughly before unpacking and using the furnace or oven. The model details and serial number are shown on the back of this manual. Use the product for the purpose for which it is intended.

1.0 3216 Programming Wizard User Guide ................................................................. 3
1.1 Installing the Software ................................................................................. 3

2.0 Establishing Connection .............................................................................. 4
Creating Program Clone Files .......................................................................... 6
2.1 Loading Program Clone Files to the 3216 Temperature Controller ............... 9

3.0 Run a Program Using the Controller .......................................................... 12
1.0 3216 Programming Wizard User Guide

1.1 Installing the Software

Insert the 3216 Programming Wizard CD into your computer. The following window will appear.

Click ‘Next’ & accept the licence.
Input your Name and organisation and click Next.
Select the complete installation. Start the installation.

After the installation the following window will appear.

Click ‘OK’ and if iTools is already installed the product ID key will be complete. Click OK.

Click finish on the wizard installation window.

The 3216 Programming Wizard short cut icon will have been added to your desktop.
2.0 Establishing Connection

Connect the computers 9 pin serial connector (male) to the 9 pin connector on the product (female) via a ‘straight through’ RS232, or RS485, cable. If the computer does not have a 9 pin serial connector use a 9 pin RS232, or RS485, to USB converter and connect through a USB port on the computer.

Switch on the product.

Double click the 3216 Programming Wizard short cut to start the software.

Click to ‘configure a device connected to this computer’

The software will scan for devices. The 3216 Controller should be found. Click ‘Next’.

You may get this message:
If you do get this message, open the windows control panel (not in the iTools software) and double click the iTools icon.

**Note:** This icon can be seen in large icon view not category view.

The ‘Registry Settings – iTools Configuration’ window will appear.

Click on the ‘Serial Ports’ tab

Click the ‘COM1’ tick box to enable the serial port

Click ‘Apply’ and close this window and close the control panel window.

The Program will then be able to find the device when scanning.

The following window will appear.
Accept the default selected ‘Carbolite 3216 Wizard’ and click next and this will take you to the ‘iTools Wizard 3216’ interface screen.

Creating Program Clone Files

Click on the ‘Next’ button until you get to the ‘Programs’ tab or click on the ‘Programs’ tab directly
Enter the values required for your program. There is help text on the right hand side of the window.

Click the next button until you get to the ‘Summary’ tab or click the ‘Summary’ tab directly.

Click the 'Finish' button
2.0 Establishing Connection

Click on the ‘Save the Configuration to a Clone File’ button so your program can be recalled for future use. Enter the location and file name and save. After saving you will be prompted to save or print a ‘message log’ file.

Click ‘Save’ or ‘Print’ if you wish then click close on this window.
Click on the ‘Back to Wizard’ button if you wish to set up and save more clone files or the ‘Finished’ button.

2.1 Loading Program Clone Files to the 3216 Temperature Controller

Start the wizard software as before. When you get to this window

Choose the ‘Download Clone File to Device’ button
2.0 Establishing Connection

Select the program clone file you wish to download and click ‘Open’

Choose if to print or save the ‘message log’ and then click ‘Close’
Then click the 'Next' button and this will take you to the 'iTools Wizard 3216' interface screen.
3.0 Run a Program Using the Controller

To select a program press the button until PROG 1 appears. Then press ▼ or ▲ to select the correct program.

To run the program press and quickly release ▼ + ▲ at the same time.
To stop the program press and hold ▼ + ▲ at the same time.
## Service Record

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<th>Engineer Name</th>
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The products covered in this manual are only a small part of the wide range of ovens, chamber furnaces and tube furnaces manufactured by Carbolite Gero for laboratory and industrial use. For further details of our standard or custom built products please contact us at the address below, or ask your nearest stockist.

For preventive maintenance, repair and calibration of all furnace and oven products, please contact:

**Carbolite Gero Service**

Telephone: + 44 (0) 1433 624242
Fax: +44 (0) 1433 624243
Email: ServiceUK@carbolite-gero.com

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**Carbolite Gero Ltd,**
Parsons Lane, Hope, Hope Valley, S33 6RB, England.
Telephone: + 44 (0) 1433 620011
Fax: + 44 (0) 1433 621198
Email: Info@carbolite-gero.com
www.carbolite-gero.com

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