

Codata

Carbon Monoxide (CO) Breath Analysis
Software with integrated patient database,
including PC connection cables.

For use with the piCO, piCO-lo and Micro
Smokerlyzers®.

Bedfont Scientific Ltd

Tel: +44 8700 844 050

Fax: +44 8700 844 051

E-mail: ask@bedfont.com

www.smokerlyzer.com

smokerlyzer®



Part No. LAB037 Iss1

Contents

INTRODUCTION	6
LICENCE AGREEMENT	6
COPYRIGHT	6
SYSTEM REQUIREMENTS	6
INSTALLATION	6
SETUP	6
COM Port Setup	8
Language Setup	8
CHOOSING YOUR DEVICE	8
CONNECTING YOUR DEVICE	8
Using a Serial cable	8
USING A USB-TO-SERIAL CABLE.....	7
CREATING A NEW PATIENT	7
SELECTING AN EXISTING PATIENT	5
TESTING A PATIENT	5
TEST & PATIENT HISTORY	1
TEST HISTORY TAB	1
TEST HISTORY REPORTS (TEST MAIN DROP DOWN MENU)	1
WARRANTY	1
PRODUCT SUPPORT	1

INTRODUCTION

Thank you for purchasing COData, the latest development in breath Carbon Monoxide monitoring software with a fully integrated patient database. This manual will guide you through all aspects of installing, setting up and running the software. It is compatible with the piCO, piCO-lo and Micro Smokerlyzers. The user friendly environment will enable any clinician to keep up-to-date records on all patients, charting their progress to a smoking free lifestyle.

Please read this manual before continuing.

LICENCE AGREEMENT

This is a single user agreement from Bedfont Scientific Limited and the software may be installed on any single computer for which it is designed. You may not copy the original CD nor install the software on another machine. When used on a network system, you must purchase a separate license for each individual computer on which the software is to be used.

COPYRIGHT

The enclosed software is owned by Bedfont Scientific Limited and is protected by international copyright laws. Neither the software nor accompanying manuals may be reproduced in whole or part. Changes shall not be made to the licensed product and the software may not be rented or leased to others, however rights may be transferred under this agreement provided all copies of the software and written manuals are transferred and the recipient agrees to the terms of this agreement and notifies Bedfont Scientific Limited of the licence transfer.

SYSTEM REQUIREMENTS

COData is Windows computer based software and the minimum system requirements are:

- Microsoft Windows 2000 and above
- Pentium III Processor or above
- 256RAM
- 4 x CD-ROM Drive
- 80MB HD Space

A free serial COM port or USB port is required for connection to the instrument.

INSTALLATION

COData is supplied on CD: to begin installation insert the CD into the CD/DVD drive. If auto-run is enabled on your computer the installation program will automatically open and prompt you to install COData to your hard drive. If auto-run is not enabled, browse the CD and click on setup.exe. Follow the on-screen prompts to install the software and all the associated components onto your computer.

Please follow the Setup instructions below to ensure hassle free use.

SETUP

Before use, COData requires setting up in order to ensure it functions correctly. COData is supplied with both a serial communications lead and a USB-to-serial adaptor lead, for use when the computer does not have a serial connection (COM Port). It is recommended that if your computer has a serial connection that this is used for connecting to the device.

Note: If COData is to be used with a USB-to-serial converter cable, please ensure that the drivers are properly installed before continuing.



Serial cable setup

USING A USB-TO-SERIAL CABLE

Connect the USB-to-serial converter to the serial cable as shown and screw the two together. Insert the USB-to-serial converter cable into a spare USB port and connect the other end to the device (as shown below with a piCO).

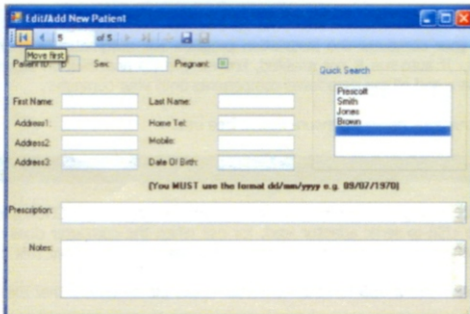


USB-to-Serial setup

CREATING A NEW PATIENT

Fundamental to the use of COData is the integrated patient database, allowing the user to chart the progress of a patient over time. A selection of default patients is included as examples; however it is easy to add patients by following the simple procedure below.

To create a new patient, click Patient File on the menu bar and New/Edit. The Edit/Add New Patient dialogue box will appear.



The toolbar at the top of this window includes Add and Save icons as shown below (in this order).



COM Port Setup

If using a USB-to-serial converter cable, ensure it is connected to a spare USB port and connect the other end to the serial lead. To setup the COM port, click on the Configuration menu and select COM Port Settings. The following screen will appear. Click on the drop down box labelled Detected COM Ports and select the appropriate port. If using just the standard serial lead, check which COM port it is plugged into and select this on the drop down box. This will normally be either COM1 or COM2.

If using a USB-to-serial converter cable, additional COM ports will appear with the cable connected. Select the highest value COM port, e.g. if COM5 appears on the list, select COM5. Click Confirm and then OK on the confirmation message box. This has now become the default COM port.

Note: If either type of cable is moved to a different port, this setting will need to be changed. It is recommended that the cable is not disconnected from the computer.



COM Port Setup dialogue box

Language Setup

COData comes with an integrated patient diagnostic interpretation of the smoking level. This diagnosis can appear in a choice of six languages: English (default), French, German, Dutch, Spanish and Italian. To change the language this is displayed in, click on Configuration and then Languages. Select the required language from the drop down list provided. This can be changed at any time.

CHOOSING YOUR DEVICE

COData is compatible with any Smokerlyzer[®] device fitted with a jack connection. To ensure COData operates correctly, click on Configuration and specify the monitor in the Device drop down menu.

CONNECTING YOUR DEVICE

Each time you run COData, ensure that the device is switch on and connected to the computer before loading the software. The connection of the device to the computer will depend on which setup is being used. Refer to the relevant section below for the setup you require. With either setup, please ensure the jack end of the cable is firmly inserted into the device, ensuring the connector 'clicks' into place.

Using a Serial cable

Connect the cable into the back of the computer and into your device. This setup is shown below, with the cable inserted and screwed into the serial port on the computer and connected to a piCO instrument.

Click on the Add button (as highlighted above) and fill in the required patient information. Once completed, click on the Save Data button. The Last Name of the record created will appear in the Quick Search box.

Records can be scrolled through using the arrows on the top left of the Edit/Add new Patient dialogue box. Once the record has been created, close the dialogue box.

SELECTING AN EXISTING PATIENT

A test cannot be run without first selecting a patient from the database.

To select a patient, click Patient File on the menu bar and Open. The Open Patient dialogue box will appear.

Patient ID	LastName	FirstName	Address1	Address2	Address3
1	Prescott	Craig	10 King Street	London	SW1A 0AA
2	Smith	John	5 Smith Avenue	Birmingham	B1 2JP
3	Jones	Nicola	121 Devo Court	Nottigham	NT2 1BH

Open Patient dialogue box

To select the required patient, click on the correct Last Name from the table at the bottom of the screen and click Select Patient. Confirm the name by clicking OK in the new message that will appear.

With a patient selected, tests can now be run and the data transferred to the database for review at a later date.

TESTING A PATIENT

With a patient selected, click on the Test menu bar and then Launch Test. The Test Window "piCO Chart Device" will appear, personalized to the patient as shown below.

Ensure that the device is switched on and connected to the computer via the appropriate cables. See Connecting your Device for further help.

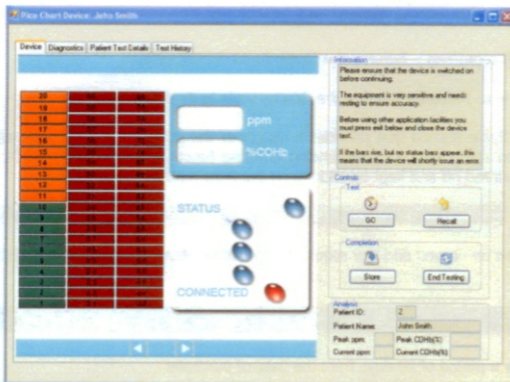
Note:

Always exit the test screen using the Exit button in the Device tab screen.



Test Window Start-up Screen

Click on the Forward arrow at the bottom of the new window or click GO. Either button will change the screen to the test screen as shown below. By clicking GO a test will be started and the 15 second countdown will begin.



Test Window

Use your chosen device as normal and the result will be displayed on the computer screen.

Note: The result on the screen may differ by up to 2ppm from that on the piCO. This is due to rounding of the data stream from the device.

Once the test is complete, a message will appear to inform you that the data is ready to be stored into the database.

To review the diagnostics of the level obtained, click on the Diagnostics tab at the top of the screen. An interpretation, in the chosen language, is available and this can be printed off using the Print button under the Patient test Details tab.

To save this test to the database and to add any notes/comments to this test, click on the Patient Test Details tab. Here, add any comments that are appropriate for the test in the Notes sections and then click on Save. The data

will be transferred to the database for charting. The print button will print out the details of the test, the diagnostic interpretation of the reading and any comments that have been added.

From the Page Setup button, the printer can be selected and other details of the page layout defined.

TEST & PATIENT HISTORY

The patient test history can be accessed from two places: under the Test History tab on the Test Screen and under Test History Reports from the Test menu on the main drop down menu.

TEST HISTORY TAB

The Generate Graph tab located in the patient test history and the test history screen will create a graph from a patients test history. Right clicking on the graph will bring up the following options:-

- Copy – This allows the Graph to be copied and then pasted onto another document.
- Save Image – This allows the graph to be saved to a file on a disc.
- Page Setup - From the Page Setup button, the printer can be selected and other details of the page layout defined.
- Print – This brings up printer options and allows the graph to be printed out from any available printers connected to the PC.
- Show Point Values – By selecting this option, by hovering over each point, the date and value can be seen on the mouse.
- Un-zoom – Returns the graph to its previous view.
- Undo all zoom/pan – Returns the Graph to its default view.
- Set Scale to Default – Returns the Graphs scale to its default settings.

This screen is a non-editable section that provides a history of the patient's testing. Here all previously saved tests can be viewed and accessed along with a corresponding charting function to see the patient's progress at a glance. The patient history can be printed off and kept by clicking on the Print button on this screen.

TEST HISTORY REPORTS (TEST MAIN DROP DOWN MENU)

Here, all the patients can be viewed and any required information about the patients test history can be printed off using the appropriate button.

WARRANTY

COData is warranted for a period of 90 days from the date of purchase
Bedfont Scientific Limited are not liable for any special, incidental, punitive, indirect or consequential damages arising from the possession, use or malfunction of this software.

PRODUCT SUPPORT

For technical product support, please contact Bedfont Scientific Ltd or your nearest distributor. A list of these can be found on the website; www.bedfont.com.