



## **COData**

Carbon Monoxide Breath Analysis Software  
with integrated patient database

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

Version 1

## **Contents**

## 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

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## SYSTEM REQUIREMENTS

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

- Microsoft Windows 98, 2000, or XP (Home or Pro)
- Pentium Processor or above
- 128MB RAM
- 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 install.exe. Follow the on-screen prompts to install the software and all the associated components onto your computer. COData will then launch itself for the first time. 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.

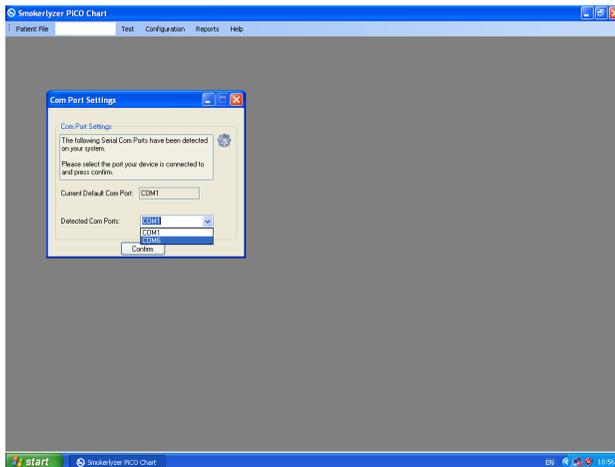
**Note:** If COData is to be used with a USB-to-serial converter cable, please ensure that the drivers are properly installed before continuing.

## 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

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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 switched 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.



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).

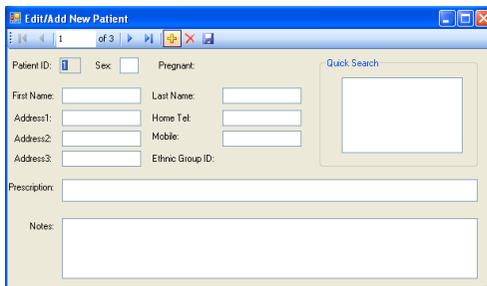


USB-to-Serial setup

## 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, Delete and Save icons as shown below (in this order).



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.

Records can be deleted by selecting the relevant patient and using the delete button.

## 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	Noma	121 Demo Court	Nottingham	NT2 1JH

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

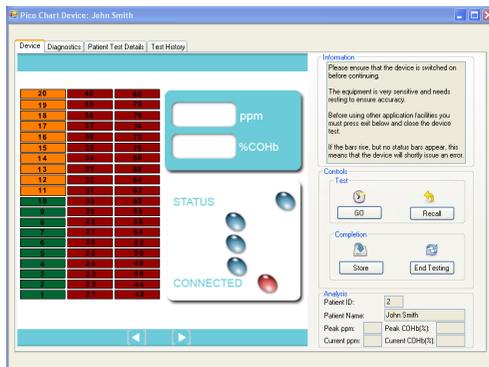
With a patient selected, click on the Test menu bar and then Launch Test. The Test Window "piCO Chart Device" will appear, personalized to the patient as shown below.

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



Test Window

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 can be printed off using the Print button on this screen.

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.

## TEST & PATIENT HISTORY

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

### Screen Shot of Patient History missing – to be added later

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.

## 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.

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**PRODUCT SUPPORT**

For technical product support, please contact [Spezialmed](#).