MIR
MEDICAL INTERNATIONAL RESEARCH

D   E   F

DATE 27/07/06 TIME 09:13 9986 1.092
NAME Martin David   #ID 6023B
BIRTH DATE 04/05/1964   cm 188 Kg 80
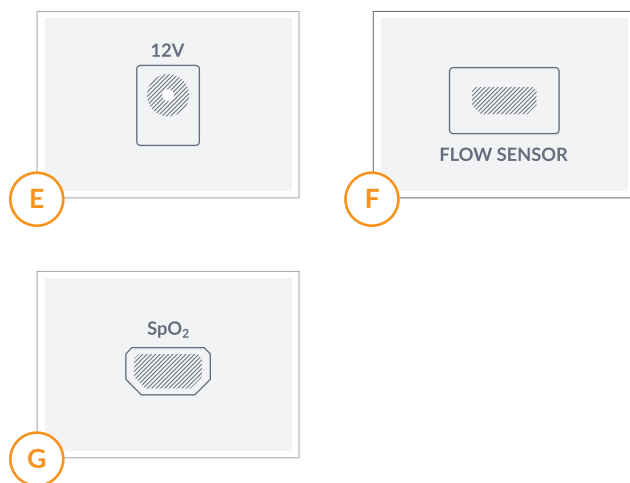AGE 42   MALE   cm 188 Kg 80   TIME (s)

FLOW (L/s)

B   A   G

C

Spirolab New™

MIR Quick Guide

For more detailed information on any section
in this guide please refer to the included user manual.
(Located on CD)

Overview

A   *Touchscreen display*

B   *Power button*

C   *Micro USB-to-PC connection*

D   *Thermal Printer paper container*

E   *Wall charger connection*

F   *Miniflowmeter connection*

G   *(optional) Oximeter connection*

12V

E

FLOW SENSOR

F

SpO₂

G

Setting up your device

A Connect the Miniflowmeter with the black arrow on connector plug facing up.

B **TURNING THE SPIROLAB ON**

To turn the Spirolab on, press then release the button on the front of the unit.
The display will automatically display the main screen after a few seconds.

C **BATTERY CHARGE**

The internal battery pack charge is shown in the upper right hand corner of the display by the symbol.
If the battery symbol is all green then the battery is fully charged.

D **TURNING THE SPIROLAB OFF**

To turn the Spirolab off press and hold the power button until the unit shuts down (approximately 5 seconds).
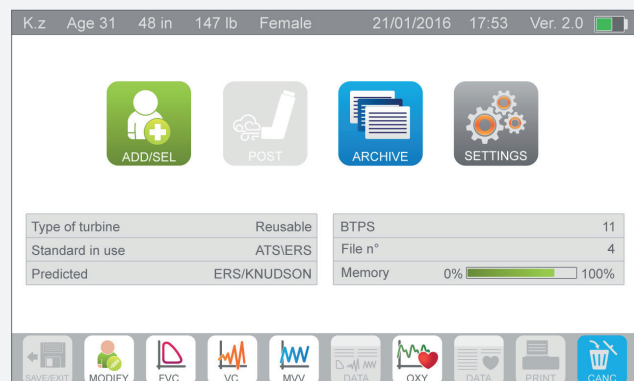
A

Thermal paper

To remove the thermal paper before it is empty:

1 *remove the printer cover.*

2 *Then lift the release lever located, if you are looking at the back of the device, to the left of the printer.*

3 *Once that is done go ahead and remove the thermal paper roll.*

4 *Then lower the release lever back into place.*

B

Main screen

The device's features can be accessed from the main screen. The last patient tested will by default be the one that comes up on the main screen, even when the device has been turned on/off.

K.z Age 31 48 in 147 lb Female		21/01/2016 17:53 Ver. 2.0
Type of turbine	Reusable	BTPS	11
Standard in use	ATS\ERS	File n°	4
Predicted	ERS/KNUDSON	Memory 0% — 100%	

ADD/SEL   POST   ARCHIVE   SETTINGS

SAVE/EXIT   MODIFY   FVC   VC   MVV   DATA   OXY   DATA   PRINT   CANC

Symbols and icons

SETTINGS	To access initial settings (service menu)		To check the alarms and thresholds set during an oximetry test	
ADD/SEL	To enter new patient data		To check the oximetry sensor is properly connected during testing	
MODIFY	To edit patient data/To rerun an archived patient test		To check the presence of a signal during the oximetry test	
ARCHIVE	To access file containing tests performed	**PRINT**	To print a test A screen with 3 choices will pop open:	
SAVE/EXIT	To save the settings and return to the main screen	**INTERNAL**	- print to the internal thermal printer	
DATA	To view the last spirometry session for the current patient	**UNDO**	- to cancel the print operation	
DATA	To view the last oximetry session for the current patient	**USB**	- to print to an external USB connected printer	

Icons that show up when loading the thermal paper into the thermal printer:

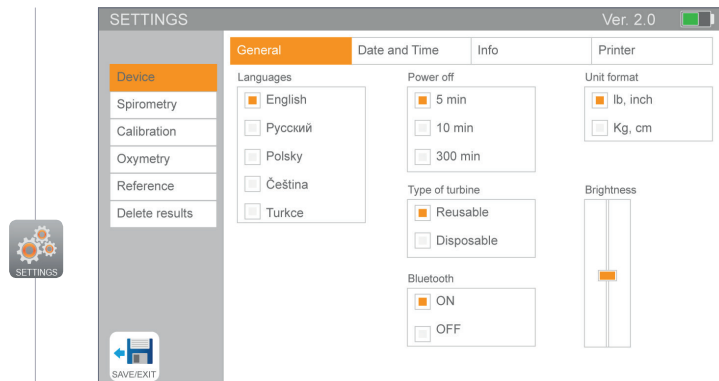|			
OXY	To test oximetry	**PAPER**	- press to manually feed more through the printer if necessary
FVC	To test FVC spirometry	**OK**	- touch OK when finished with paper install
VC	To test VC spirometry	**UNDO**	To cancel an operation and return to the previous step
MVV	To test MVV spirometry	**CANC**	To delete a test
POST	To run a bronchodilator test (POST)	**EXIT**	To exit without saving

Spirolab Settings

The Spirolab New comes already configured.
However if you need to change any
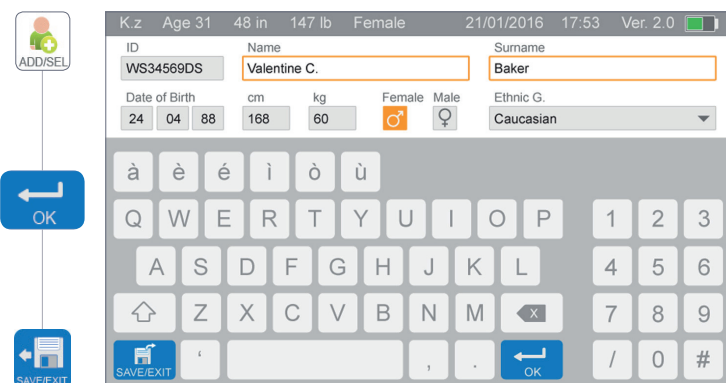of the configuration follow the steps below.

1 To get into settings touch the *settings icon* and enter the password *122333*.

2 On the left highlighted in orange is the subject, then on the top highlighted in orange is a corresponding topic.

3 Selecting different subjects and tabs shows you the different settings that can be changed. (for more details check the user manual)

Main settings screen

Entering patient data

1 On the main screen click on the *add/sel patient icon.*

The next screen you see allows you touch type in all the patient information, you can touch the *OK icon* to go to the next field or touch inside the next field's box.

2 When you are finished, the *save/exit icon* must be selected. This will save the information and take you back to the main screen.
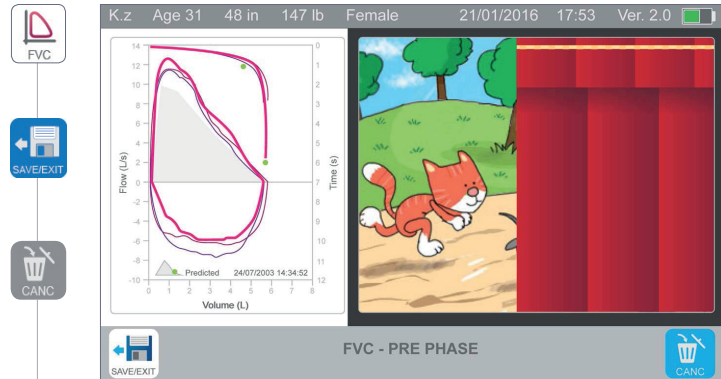
Patient data screen

Testing

1 Select the icon for the test that you wish to do, for example *FVC.* This takes you to the test screen.

When the test is done select the *save/exit icon* in the lower left corner to save the results. If do not want the results saved then select the *cancel icon* in the lower right corner.

2 Once the test is saved it will take you to the results screen.

The number in red on the *FVC icon* tells you how many PRE FVC tests have been done for that patient on that day.

Once there is at least 1 pre FVC test the *POST test* will now be available.

3 After saving the test you will be taken right to the results screen for that individual test.

4 To look at the saved test session results, simply tap the *data icon.* There is a *similar icon* for the oximetry testing.

K.z   Age 31   48 in   147 lb   Female   21/01/2016   17:53   Ver. 2.0

FVC - PRE PHASE

Spirometry testing screen

! NOTE: the software is designed to track groups of 3, so that it can calculate the best of 3 tests.

Printing

1 Select the *print icon* while on the results screen, the data screen, or even the main screen.

2 Choose *internal icon* to print on the thermal printer.

3 Choosing the external *USB icon,* will print to an external printer.

! NOTE: If you print from the main screen it will print out the last test results for that patient. If an oximetry spot check was just done that is the test it will print out.

! NOTE: If connected up via USB cable (NOT INCLUDED) to a compatible printer. (Compatible printer list is being updated). Refer to the user manual for more information on this feature.

Archive

1 Select the *archive icon* to search the archive for:

- viewing previous test data on a specific patient;

- selecting and retesting a patient already entered into the Spirolab New;

- printing previous test data.

2 On the Archive screen there are 10 parameters that you can search by. Touch the box to the right of the parameter to make it turn orange and that parameter is now part of the search parameters.

3 Choose the *OK icon* to continue to the search results.

4 When the information for the search is found the search results screen will let select the patient data you are specifically looking for.

Then select the patient so that it is highlighted in orange.

5 Now select an option from the icons on the bottom of the screen. A test icon to retest the patient or a data icon to view the data.

When viewing the data, if you want to retest the patient choose a test icon.

6 A verification screen will come up if you choose to retest that patient.

Choose *Undo* to return to the search results or *OK* to continue to the testing screen.

Now that patient will be the one that shows up on the main screen, even when turning the device on/off.

Archive screen

Search results screen