

## QUICK REFERENCE GUIDE



# FreeStyle<sup>™</sup>

## Portable Oxygen Concentrators with UltraSense<sup>™</sup>

### Flow Rates

Pulse Settings 1, 2, 3

### Weight

4.4 lb (2 kg)

### Battery Life

Internal Battery Only	#1 – 3.5 hrs	#2 – 2.5 hrs	#3 – 2.0 hrs
Internal Battery & AirBelt	#1 – 10.0 hrs	#2 – 6.0 hrs	#3 – 5.0 hrs
Internal Battery & External Power Cartridge	#1 – 10.0 hrs	#2 – 6.0 hrs	#3 – 5.0 hrs

### Recharge Time (fully discharged)

FreeStyle's internal battery will completely recharge in approximately 3½ hours.

Optional AirBelt battery will completely recharge in approximately 3 hours.

### Battery Gauge

The FreeStyle has a 4 light battery gauge built into the control panel with a push-button control. It will indicate the following in 25% increments:

1. Battery life – push the battery button on the control panel to see how much capacity is remaining in the battery.
2. Charging status – when charging the battery, the lights will flash and illuminate to indicate how much of the battery is charged.

### On/Off

On the control panel you will see flow settings 1 – 2 – 3. They are push-button switches, to turn the unit on, simply push the button of the desired flow rate. To change the flow setting, push the appropriate flow button. To turn the unit off, push the button of the flow rate that is currently in use.

### Oxygen Concentration

The FreeStyle POC is designed to produce 90% oxygen at all three (3) settings (-3% / +5.5%).

### Power Supplies

1. Each FreeStyle unit comes with an AC (wall outlet) and DC (automotive style) power cord that each connect to the Universal Power Supply. You may operate the FreeStyle and/or charge the battery from either power source.
2. The FreeStyle Universal Power Supply is rated for 100-240VAC and 50-60Hz. When traveling, the power supply will automatically adjust to the specific power voltage for each country. If needed, you may use outlet adaptors. They can be purchased directly from CAIRE or your local electronics store.

## Alarm/Light Indicators

When a pulse of oxygen is sent through the nasal cannula, the green light above the selected flow setting flashes each time a breath is detected.

**Start-Up:** A brief alarm sounds at start-up.

**Low Battery:** As battery power approaches a low level, a brief alarm sounds intermittently, and the yellow 25% BATT light also flashes intermittently.

**Cannula Disconnected:** When unit is operating but does not sense breathing, (15 minutes) a constant alarm sounds with the red light.

**FreeStyle's Capacity is Exceeded:** If breathing rate causes the capacity of unit to be exceeded, a rapid alarm sounds with the red light. (When this occurs, the concentration of oxygen is dropping below unit specifications.)

**General Malfunction:** If unit has a general malfunction, a rapid alarm sounds, and the red alarm light illuminates continuously. (When this occurs, the concentration of oxygen is dropping below unit specifications.)

**Service Indicator/Alarm:** When the alarm service/indicator illuminates (yellow), it is recommended that the FreeStyle be serviced by the Equipment Provider. This will illuminate every 5,000 hours and after service will be reset.

## Filter—Air intake

At least one time each week, remove the inlet cover on the lower front of the unit, and wash the air intake filter. Allow to dry thoroughly.

## Checking Oxygen Concentration

1. Connect the FreeStyle to AC power (plug it into the wall).
2. Open the cover of the control panel and press flow setting [2].
3. Activate the unit's test mode by pressing flow setting [1] and [3] simultaneously for 10 seconds. After 10 seconds, the alarm will beep and the unit will then start to auto pulse in flow setting 3.
4. Verify FreeStyle is pulsing, (you should be able to hear the pulse of oxygen and see the Light turn off momentarily above the flow setting). Allow FreeStyle to run for 5 minutes before connecting the oxygen analyzer.
5. With a short length of tubing, connect a calibrated oxygen analyzer to the oxygen outlet and record the unit's concentration. The concentration specification in test mode is 90% -3%/+5%. Note: Fast response fuel cell analyzer are recommended.

## Nasal Cannula & Tubing

The FreeStyle unit uses a standard nasal cannula. Tubing and/or cannula should not exceed 25 feet (7.62 m).

## Sleep Mode

There may be times when the unit will not power on from battery power even though the battery shows that it is still charged. Most likely, the unit has gone into Sleep Mode. All new and refurbished FreeStyle units are shipped from the factory in Sleep Mode. Sleep mode can also occur if the internal battery has been removed or replaced, or if the unit has been unused and sitting for some time. To bring the unit out of Sleep Mode, simply plug the unit into AC power, this will awaken the unit and allow it to run normally under battery power.

## Hour Meter

The FreeStyle contains a digital hour meter that is mounted internally on the circuit board. It is visible by removing the front case of the unit. The hour meter is dual function. It contains a setting to display both total hours and maintenance hours. The maintenance hours are indicated by a wrench on the display. A button to the right of the meter is used to toggle between the two modes. Holding the button for 3 seconds resets the maintenance hours and clears the yellow service light that illuminates at 5,000 hours.

## Routine Maintenance

The FreeStyle POC requires minimal maintenance. Perform the following steps below to ensure proper maintenance and function.

1. Concentration Check – Schedule the unit for purity/concentration checks according to your company policy.
2. Air Intake/Gross Particle Filter – located on the lower front panel, this filter should be washed weekly. Allow to dry thoroughly.
3. Service Check – Every 5000 hours the yellow service light/Light in the upper left corner of the control panel will illuminate continuously, indicating compressor check.
4. Product Filter – This internal filter must be replaced every 10,000 hours.

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**Questions? Call 1.877.774.9271**  
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