

Use eTASK with SeQual® Eclipse and eQuinox™ Transportable Oxygen Concentrators

To better assist in titration knowledge, CAIRE has developed eTASK, an interactive software program and smart phone application. By targeting consistent FiO2 levels, CAIRE's eTASK quickly illustrates the conversion between continuous flow and pulse dose therapy with autoSAT. Targeting FiO2s is critical to effective oxygenation, a challenge for ambulating patients due to their changing respiratory rates. eTASK also calculates battery durations based on the necessary flow rate and the patient's breath rate.

Windows® Version



Variable Entry		Titrate to Saturate			
		Continuous Flow	Equivalent Pulse Dose		
Continuous Flow (LPM):	3.0	Flow:	3.0 LPM	Pulse Dose Setting:	56 mL
Breaths Per Minute:	20	Est. Battery Life:	1.30 hrs	Pulse Setting Number:	3.5
VT (mL):	500			Est. Battery Life:	3.61 hrs
Concentrator O2 (%):	92.0				
Device Type:	Eclipse				
Battery Type:					

IMPORTANT

For use only with the SeQual Eclipse and eQuinox. Not for clinical use with other devices. For use only under the supervision of a medical professional. Equivalent pulse calculations are for reference only. Pulse dose should not be prescribed without the patient being evaluated by a physician or therapist to determine its effectiveness. Battery durations are typical operating times for a new battery. Durations may decrease with age, temperature, and breath rate.

1 Using the up/down arrows, input the individual patient scenario of continuous flow rate, BPM, tidal volume, and desired O₂ concentration.

2 Using the up/down arrows, input the CAIRE concentrator the patient will be using (Eclipse or eQuinox). If using an eQuinox, select whether the 12-cell or 24-cell battery will be used.

3 The patient's necessary continuous flow rate will be displayed here, along with the estimated battery duration. Note that if the required continuous flow rate is above 3.0 LPM, this is not available on the Eclipse or eQuinox and will be shaded in gray.

4 Equivalent Eclipse or eQuinox pulse dose setting in mL and setting number will be displayed here along with the battery run time. Note the pulse setting numbers are not LPM equivalents. Battery run time on pulse settings will vary based on breath rate.

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Smartphone Version

1 Select the CAIRE concentrator the patient will be using (Eclipse or eQuinox). If using an eQuinox, select whether the 12-cell or 24-cell battery will be used.

2 Using the +/- buttons, input the individual patient scenario of continuous flow rate, BPM, tidal volume, and desired O₂ concentration.

3 The patient's necessary continuous flow rate will be displayed here, along with the estimated battery duration. Note that if the required continuous flow rate is above 3.0 LPM, this is not available on the Eclipse or eQuinox and will be shaded in gray.

4 Equivalent Eclipse or eQuinox pulse dose setting in mL and setting number will be displayed here along with the battery run time. Note the pulse setting numbers are not LPM equivalents. Battery run time on pulse settings will vary based on breath rate.

The screenshot shows the eTASK app interface. At the top, it says 'eTASK by CAIRE Inc.' with images of the Eclipse and eQuinox concentrators. Below this is the 'Patient Information' section, which includes:

- Device type:** Eclipse (selected) and eQuinox.
- Battery type:** 12 cell (selected) and 24 cell.
- Flow:** 3.0 LPM, with +/- buttons.
- O2:** 92.0 %, with +/- buttons.
- BPM:** 20, with +/- buttons.
- VT:** 450 mL, with +/- buttons.

 A large bracket on the right side of this section is labeled with a '2'. Below this is the 'Continuous Flow' section:

- Flow:** 3.0 LPM
- Battery:** 1.84 hrs

 A bracket on the left side of this section is labeled with a '3'. Below that is the 'Equivalent Pulse Dose' section:

- Pulse:** 64 mL
- Battery:** 3.68 hrs
- Setting:** 4

 A bracket on the right side of this section is labeled with a '4'. There is also an information icon (i) in the bottom right corner of the pulse dose section.

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