Air Liquide HEALTHCARE

EO-150

Patient
Pocket guide

English

EOVE

Summary

Introduction 4
Quick Start 5
The EO-150 device 6
Turn ON/OFF the device 8
Patient Home Screen 9
Circuit calibration 10
Monitoring and Alarms 11
Alarms List 12
Preset selection 13
Supplemental Oxygen 14
Data Download 15
Device cleaning and maintenance 16
External battery 17

Introduction

The EO-150 ventilator device provides continuous or intermittent ventilation support for pediatric and adult patients weighing at least 3.5 kg (8 lbs) who require mechanical ventilation. The device is intended to be used in home, institution and hospital, for both invasive and non-invasive ventilation.

Clinicians are advised to read the User Manual (Clinician) before using the EO-150 ventilator.

The information in the Pocket Guide is not intended to exceed the instructions in the medical prescription and User Manual.

The EO-150 ventilator is considered strictly medical device and is intended to be used by trained and qualified personnel under medical supervision.

If any operating and maintenance problems are identified, the local representative should be contacted.

An alternative source of ventilation should be available for dependent patients. Failure to do this may result in patient injury or death.

Quick Start

In case of emergency, the ventilation module can be directly turned on simply by pressing the button on the module keyboard.

2

To start ventilation
Click on on the keyboard.

1

Press on the front panel keyboard to turn on the device. The home screen displays.

The EO-150 device

1. Air inlet and filter
2. AC / DC Power connector
3. USB port
4. O_2 input
5. FiO_2/SpO_2 connector
6. Remote Alarm connector

1. Display screen
2. Ventilation module
3. Proximal pressure, valve, and proximal flow connectors
4. EO device housing unit
5. Inspiratory / Circuit Port
6. ON / OFF switch
7. Power source indicator
8. High priority alarm indicator
9. Technical alarm indicator
10. Circuit alarm indicator
11. Ventilation start / stop
12. Physiological alarm indicator
13. Medium priority alarm indicator
14. Alarm reset
15. Battery level indicator

The home screen

1. Patient Trigger Indicator
2. Patient Profile Indicator
3. Circuit configuration
4. Ventilation Mode
5. Alarm signal
6. Alarm indicators
7. Clinical mode status
8. Battery life indicator
9. Power source indicator
10. Time
11. Alarm tab
12. Alarm inhibition
13. Active settings information
14. Preset selector
15. Airway pressure indicator
16. Help button
17. Power Off button
18. Time and date
19. Event log
20. Menu button
21. Settings short cut

Turn ON the device

Ensure that the device has been charged prior to use or connect to AC power or DC connector inlet.

1. Insert AC connector into power inlet.
2. Turn the screw lock clockwise to secure.
3. Device will turn on automatically. If starting on battery, press on front panel keyboard to power on the ventilator.

Turn OFF the device using the Touch Screen

1. Press and hold until the circle becomes red.
2. Validate.

The ventilator turns off and the Home Screen turns into sleep mode.

To start ventilation using the Home Screen

1. Press on the touch screen.
2. Ventilation starts.

To stop ventilation using the Home Screen

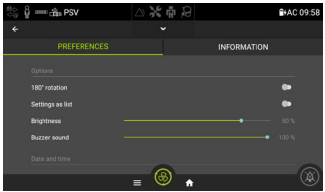
1. Press and hold until:
   - The red line around the Start/Stop key completes a full circle.
2. Validate the displayed stop ventilation confirmation pop-up.
3. Ventilation stops.

Patient Home Screen

From the Home Screen,
select ☰ to access:

- Preferences
- Calibration
- Events Log
- Export data
- Monitoring

Preferences



It is possible to adjust

Rotation of the screen
Allows the screen to be rotated 180°. Press the small circle to rotate the screen.

Brightness/ Contrast
Allows brightness levels from low to high. Simply swipe the blue circle from left to right to choose the preferred brightness.

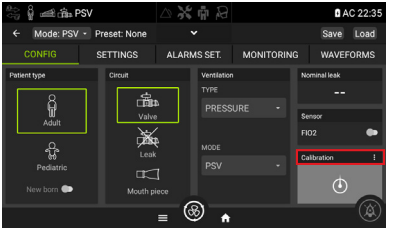
Sound
Adjustable sound level for alarms.

Current Date (MM / DD AAAA)
Sets the current day, month and year. To set the date, click on the text and choose the date from the calendar. Press done when completed.

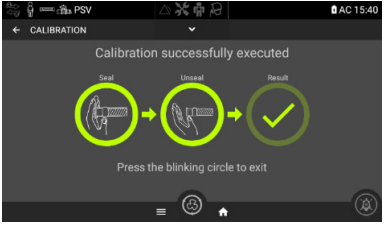
Current Time (00:00)
Sets the current time on 24 h clock. To set the time, choose the time from the dial and press done when completed.

Circuit calibration

From this screen, you can select the configuration and perform a calibration. Simply press on the calibration button in the grey area.



Follow the 2 steps calibration process when prompted and press on “Result” to go back to the home page.



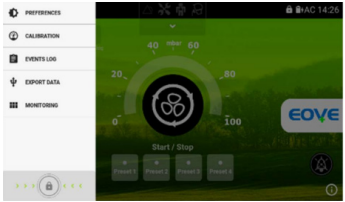
NOTE:

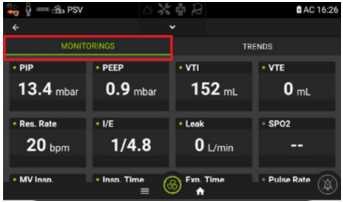
- The calibration shall be done after every circuit configuration change.
- Complete the calibration with all circuit components (circuits, filters, humidificator), but without the patient interface.

Monitoring and Alarms

Navigating on Monitoring

It is possible to view the patient's ventilation parameters by accessing the Monitoring Menu.





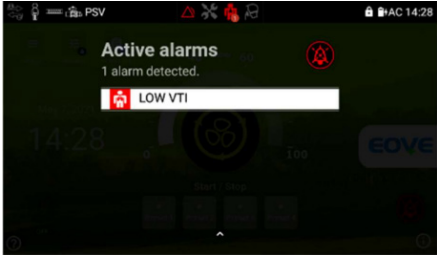
In addition, it is possible to view the ventilation trends in the Trends tab.

Alarms List

The EO-150 is equipped with alarms to ensure the safety of the patient and to alert the user of certain conditions that require a response. When an alarm is activated, it is both audible and visible.

When an Alarm is active, you can access the list from the Home Screen by pressing . On the screen displayed is the list of currently active alarms.

It's possible to temporarily mute the alarm holding on .
The alarm sound will be temporarily muted for two minutes. If after two minutes the conditions of the alarm are still present, the alarm sound will be set ON again.

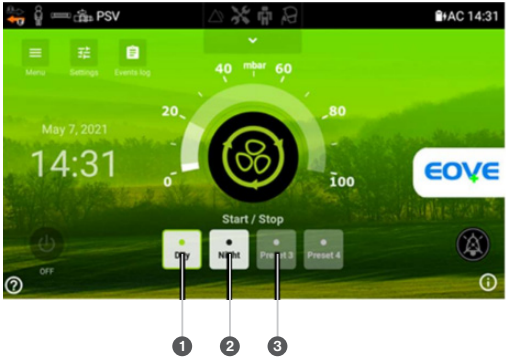


NOTE:
In case of questions or problems always contact the health care provider and more information is available in the User Manual.

Preset selection

To change the Preset, press on the desired Preset that has already been saved ❷.

❶ Current preset / Activated preset.
❷ Presets saved and not activated.
❸ Presets not saved.



In order to ensure that the parameters are correct, an information pop-up can be displayed by pressing information icon to visualize the ventilator settings of the actionable preset.

Supplemental Oxygen

To add supplemental oxygen:

1. Unlock the oxygen input at the rear of the device by pushing up on the locking clip.
2. Plug in the oxygen adaptor (supplied with the EO 150) to the oxygen input.
3. Attach the end of the oxygen supply tube (provided with the EO 150) to the oxygen adaptor.
4. Attach the other end of the oxygen supply tube to the oxygen source.
5. Start ventilation.
6. Turn on the oxygen and adjust for the prescribed flow rate or FiO_2 level.

To remove supplemental oxygen:

1. Turn off the oxygen source.
2. Unlock the low flow oxygen input at the rear of the device by pushing up on the locking clip.
3. Remove the oxygen adaptor from the oxygen input.

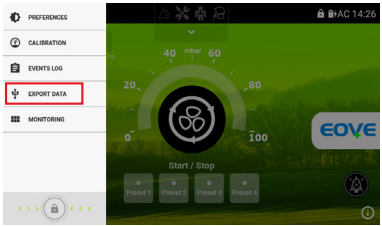
ATTENTION

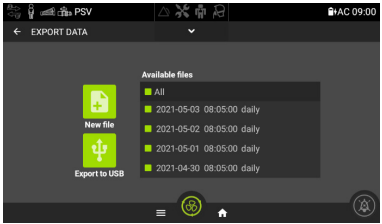
- **Use only medical grade oxygen.**
- **Ventilator must be started and stopped after oxygen supply has been turned off.**
- **Oxygen can be added up to a maximum flow of 20 l/min.**

Data Download

USB stick Specs:
- FAT32
- 32 GB max
- Class 10 max
- 1 partition

1. Insert a USB key in the USB port at the rear of EO-150
2. In the Menu tab, select «EXPORT DATA»
3. Create a new file if required
4. Select one or more files
5. Export the selected files
6. Import the data for EOVE Clinical Software





NOTE:

- The EO-150 saves a data file each day. It's possible to manually save a new file by pushing on the "New file" button.
- Each file contains the last 24 hours of detailed waveforms data and up to one year of trends.
- The EO-150 memory is able to store up to 32 files.
- Selecting "Export USB" will automatically transfer all data stored on the USB key. You can select a single file or multiple files.
- For access to the EO-150 Clinical Software, please contact your local representative.
- For Telemonitoring, please contact your local representative to check the avaibility for each region.

Device cleaning and maintenance

It is necessary to clean the EO-150 ventilator regularly in addition to inspecting the condition of the accessories on a weekly basis.

- Clean only exterior surfaces of the EO-150 Ventilator device.

- If necessary, wipe the exterior of the device with a damp cloth using a mild cleaning solution.

- For all circuit components and hoses, follow the manufacturer's recommendations for cleaning and maintenance.

⚠ ATTENTION

Do not spray any solution inside the docking station when the ventilation module is removed.

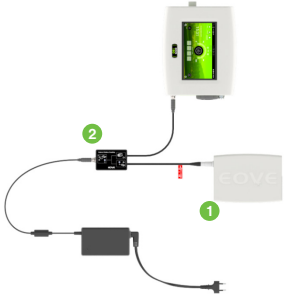
If storage is required, ensure that the internal battery is charged to prevent damage.

NOTE:

The EO-150 should be regularly serviced by an authorized EOVE technician according to the following schedule. In case of questions or problems always contact the Healthcare provider and more information is available in the User Manual.

External Battery

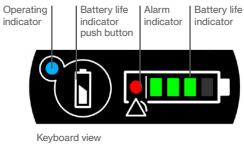
For extra mobility, the EO-150 ventilator provides external batteries as an optional accessory.



MATERIAL NEEDED:

1. EO-150 BATTERY PACK (EO-BATPCK - include External Battery (EO-BAT9), Battery Cable, Power Source Cable)
2. BATTERY Y CABLE (EO-EXTBATCBL)
3. EO-150 TRAVEL BAG (EO-TRVELBAG1X0-EVO)
4. BATTERY BAG (EO-BATBAG)

The BATTERY PACK COUPLING CABLE (EO-CPLPACK) could be used instead of the BATTERY Y CABLE (EO-EXTBATCBL), losing the possibility to recharge the device and the battery. It is possible to connect 2 External Batteries simultaneously if necessary.



EXTERNAL BATTERY (EO-BAT9) rear view

The BATTERY Y CABLE (EO-EXTBATCBL) could be used to recharge both the device and the external battery.

Travel bag

Battery bag

Notes

Manufactured by

EOVE
Helioparc
4, Boulevard Lucien Favre
64000 Pau
France
www.eove.fr

EO-150 provides continuous or intermittent ventilation support for adults and children weighing at least 3.5 kg needing mechanical ventilation, at home, in a facility or hospital, and in portable environments, for invasive or non-invasive ventilation.

Medical device class IIb - CE 0459 - Manufactured by EOVE. Please read the user manual.

YN23170_IND 1_2024-06_Homecare ventilation_EN_Patient Pocket Guide EO-150_ - Photos: © ALMS - Création CHANH THI