



Pocket Guide

Evita® V800 / Evita® V600

Software version 1.n

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The Evita® V800 / V600 Pocket Guide is not a replacement or substitute for the Instructions for Use. It is for informational purposes only . Any use of the device requires full understanding and strict observation of the Instruction for Use.

The availability of functionality depends on the country and availability. Options may not be included in a present device or may come at extra costs.

The pocket guide may not reflect the latest software version of the device.

Intended use

The intensive care ventilator Evita is intended for the ventilation of adults, adolescents, children, infants, and neonates. This device provides mandatory ventilation modes and ventilation modes for supporting spontaneous breathing as well as ventilation monitoring.

Product description

Intensive care Ventilator

Display unit

Ventilation unit

Gas supply unit GS500

Power supply unit PS500

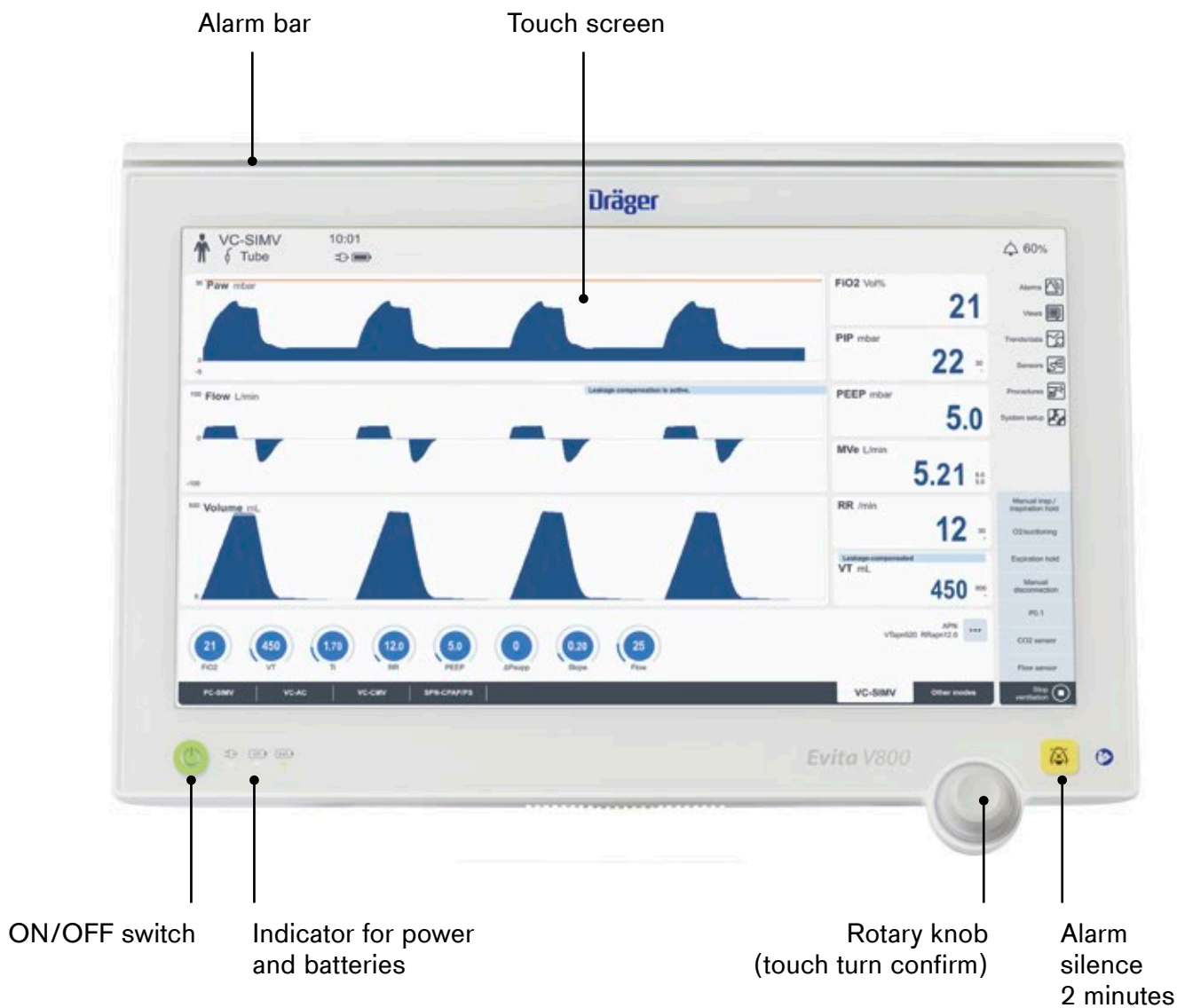
Trolley with 4 brakes



Evita® V800

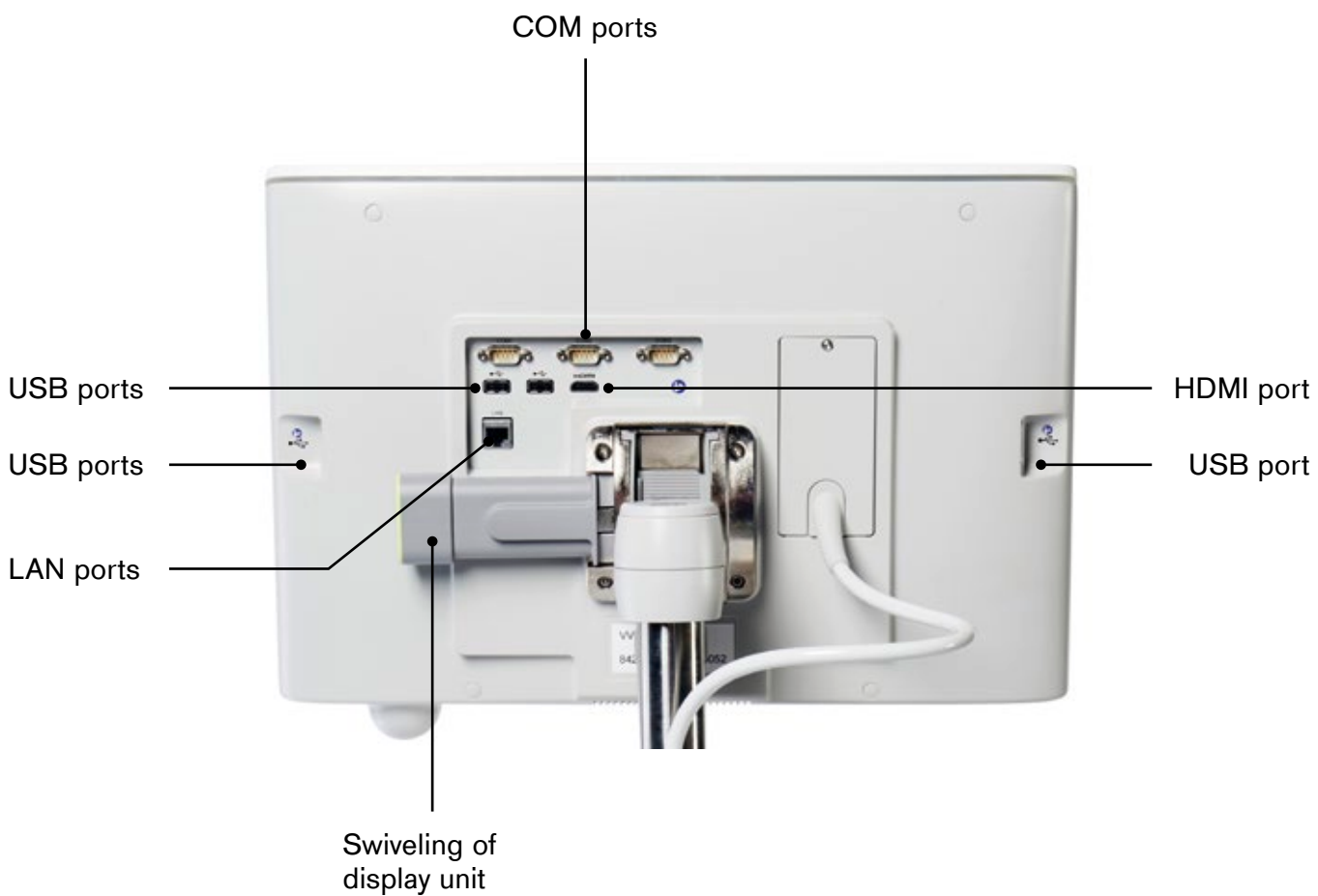
Product description

Display unit, front



Product description

Display unit, rear



Product description

Ventilation unit, front



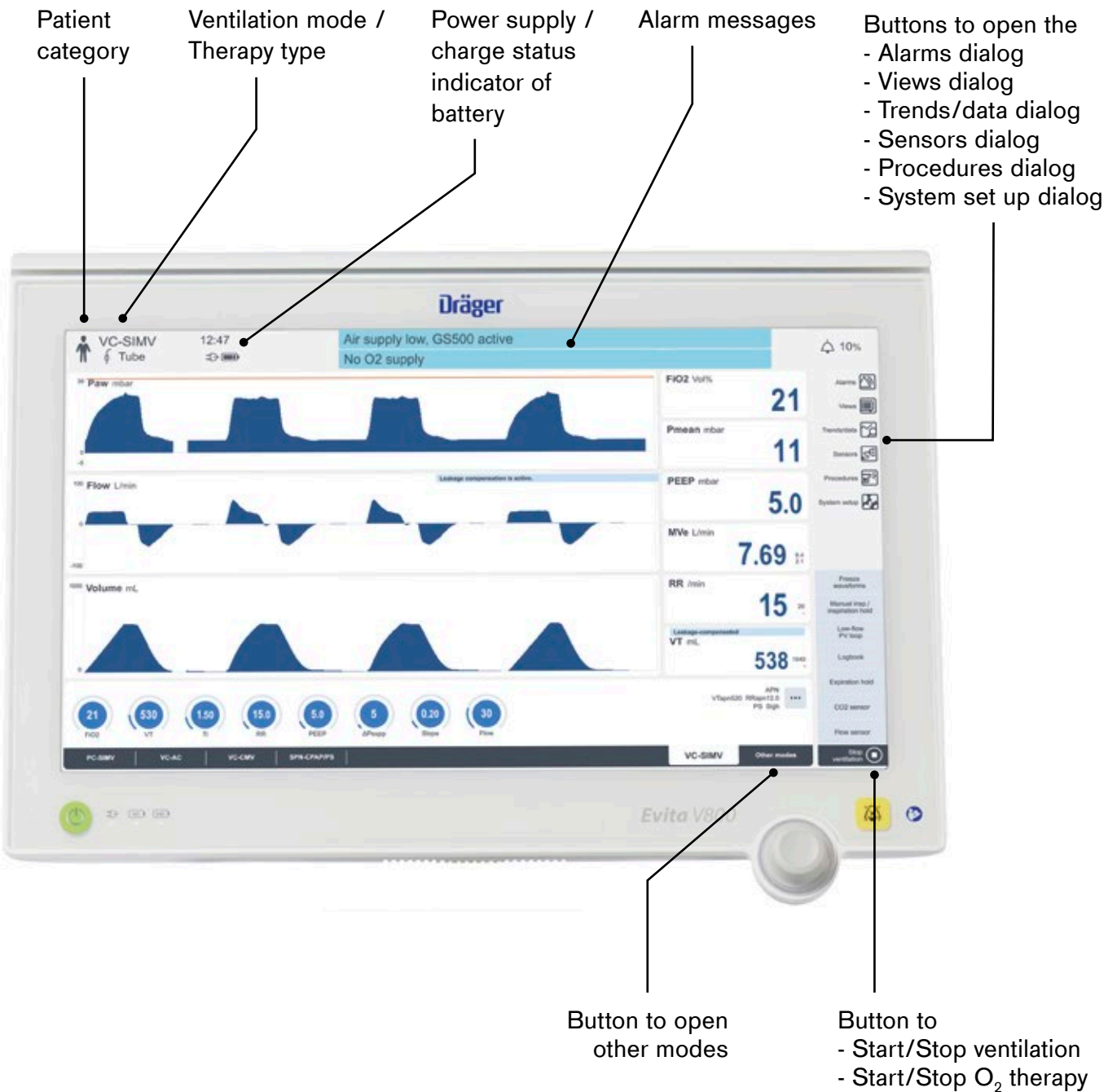
Operating concept

Screen, general structure



Operating concept

Main screen



Operating concept

Using the screen – Colours

Alarms

The following colors are used to identify the priority of alarms:

Colour	Alarm priority	Action required
Red	High !!!	Immediate action is necessary in order to avert an acute danger
Yellow	Medium !!	Prompt action is necessary in order to avert a danger
Turquoise	Low !	Attention is necessary

Minute volume low



Tidal volume high



Battery activated



Operating concept

Using the screen - Colours

Rotary knob

If the device is turned on, the rotary knob is back lit with a color.

Orange The selected function or setting must be confirmed by pressing the rotary knob. 10 seconds before the time during which the confirmation may be performed ends, the background lighting flashes.

Blue After the device is turned on, the background lighting shines for 2 seconds.



Touch – Turn – Confirm

Selecting and setting parameters and functions

Touch the control element. The control element turns orange.

Turn the rotary knob to the right or to the left to make the setting. The value is displayed in the control element.

Confirm by pressing the rotary knob. The setting is applied, and the control element turns gray or blue again.



Getting started

Turning on the device

Prerequisites:

- The accessories needed for operations on the patient are connected.
- The mains power supply and the gas supply are connected.
- The main switch is turned on.

Ventilation unit,
left side:
Main switch



1. Press the **ON/OFF** key on the display unit. The system is started. The start dialog is displayed.
2. Touch the **New patient** button if a new patient is admitted or
3. Touch the **Current patient** button to continue with existing settings.



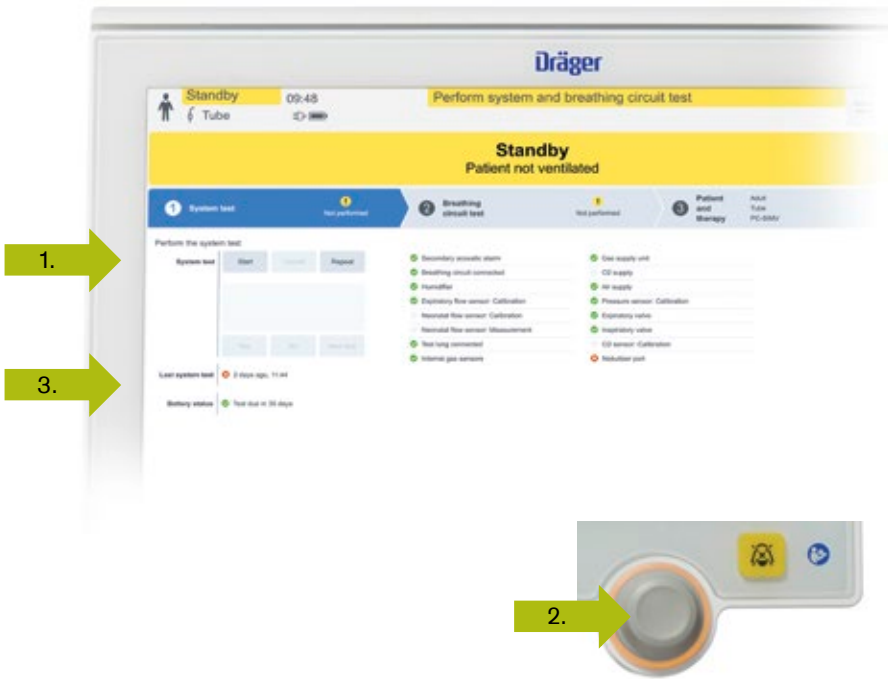
Getting started

System test

Starting the system test

1. Touch the **Start** button in the System test line.
2. Confirm with the **rotary knob**.
3. Answer the questions in the information field by touching the **Yes** or **No** button.

After a successful system test has been performed, a message appears for continuing the breathing circuit test. Proceed with 'Yes'.



Breathing circuit test

Performing the Breathing circuit test

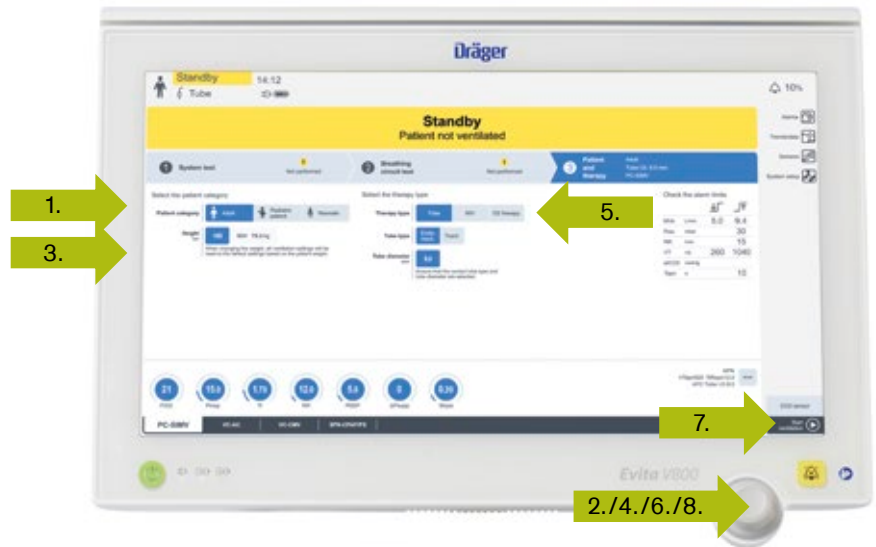
1. Touch the button in the Breathing circuit test line.
2. Select the **breathing circuit** used from the pick list and the type of **humidification**.
3. Confirm with the **rotary knob**.
4. Follow the instructions in the information field and touch the button **OK** when asked to do so.



Getting started

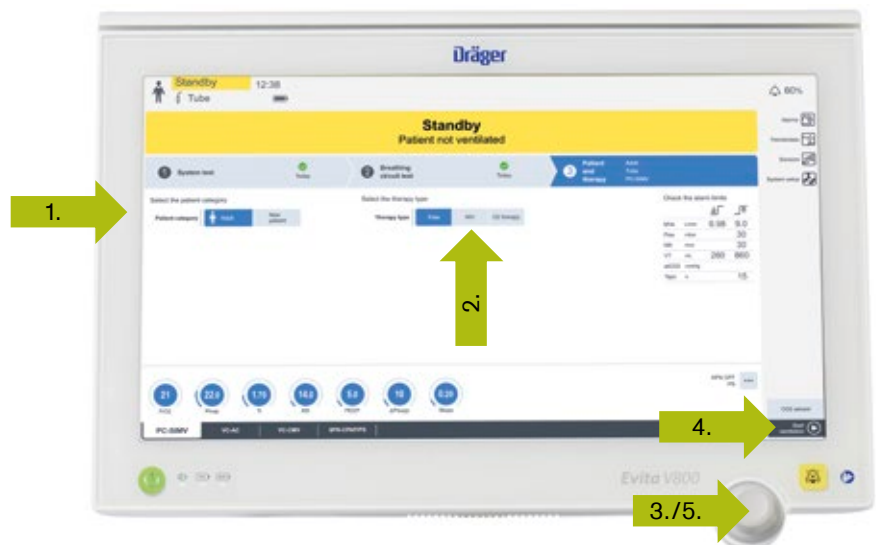
Starting the therapy (for a new adult or paediatric patient based on the patient height)

1. Touch the button for the relevant **patient category**.
2. Confirm with the **rotary knob**.
3. Touch the button for **height**.
4. Set the body height by turning the **rotary knob** and push to confirm.
5. Touch the button for the relevant **therapy type (Tube, NIV, O₂ therapy)**.
6. Confirm with the **rotary knob**.
7. Check the alarm limits and touch the button **Start ventilation**.
8. Confirm with the **rotary knob**.



Starting the therapy (for a new adult or paediatric patient based on the patient category)

1. Touch the button for the relevant **patient category**.
2. Touch the button for the relevant **therapy type (Tube, NIV, O₂ therapy)**.
3. Confirm with the **rotary knob**.
4. Check the therapy settings (ventilation mode, ventilation parameter, alarm limits) and touch the button **Start ventilation**.
5. Confirm with the **rotary knob**.

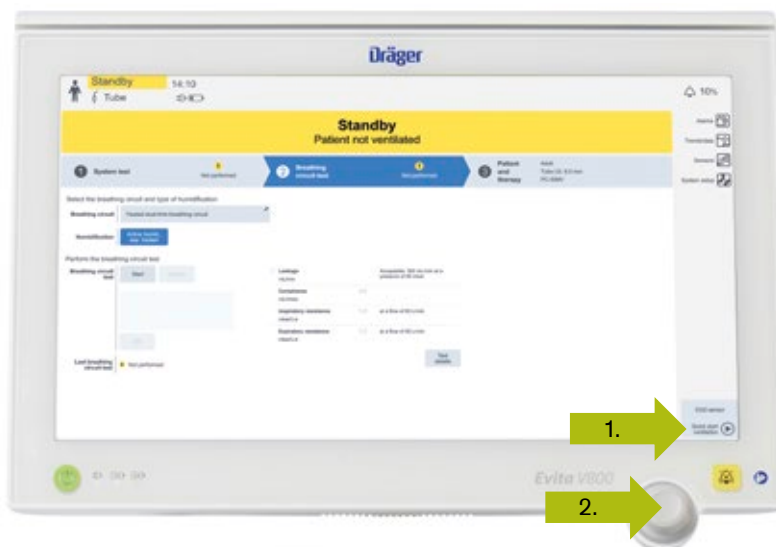


Getting started

Therapy Quick start ventilation

In an emergency situation, therapy can be started immediately without operational readiness being checked.

1. Touch the button **Quick start ventilation**. The Patient and therapy step is displayed.
2. Press the **rotary knob**. The therapy is started. The main screen is displayed.



Operation

Changing the ventilation mode

1. Touch the relevant tab.
2. The colour of the tab turns orange (if necessary, adjust the ventilation parameter).
3. Confirm with the **rotary knob**. The color of the tab turns white.



Setting ventilation parameters

1. Touch the corresponding therapy control (colour turns orange).
2. Set the value by turning the **rotary knob** and push to confirm.



Operation

Advanced settings

1. Touch the button **Advanced settings**. The advanced settings of the selected ventilation mode are displayed and can be configured.
2. The current settings are displayed in an information field next to the button.



Changing the therapy type during therapy

1. Touch the field for the therapy type in the header bar.
2. Touch the button of the relevant therapy type
 - Tube
 - NIV
 - O₂ therapy
3. Confirm with the **rotary knob**. The device is in standby mode.
4. Start the therapy by touching the **Start ventilation** button.



Operation

Non-invasive ventilation (NIV)

In the **Adult** and **Pediatric patient** categories, all the ventilation modes can be selected. In the **Neonate** patient category, only the **SPN-CPAP** and **PC-CMV** ventilation modes can be selected.



O₂ therapy

Patient-side accessories such as oxygen masks or nasal cannulas can be used for O₂ therapy.

During O₂ therapy, only the O₂ concentration, the inspiratory flow, and the inspiratory pressure are monitored.

The alarm limits for the parameters **VT**, **MVe**, **RR**, **Paw**, and **Tapn** are not active. The alarm limits for O₂ monitoring are automatically set by the device.



Operation

Interrupting therapy

1. Touch the button **Stop ventilation** in the therapy bar. A pop-up window opens.
2. Touch the button **Stop ventilation**.
3. Confirm with the **rotary knob**.
4. The following message is displayed in the header bar: Standby mode activated
5. Touch the **Alarm reset** button in the header bar.
6. Confirm with the **rotary knob**.



Alarms

Display of alarms – Optical alarm signals



Display of alarms – Acoustic alarm signals



The primary acoustic alarm system produces different alarm signals. The acoustic alarm signal can be suppressed for 2 minutes maximum.

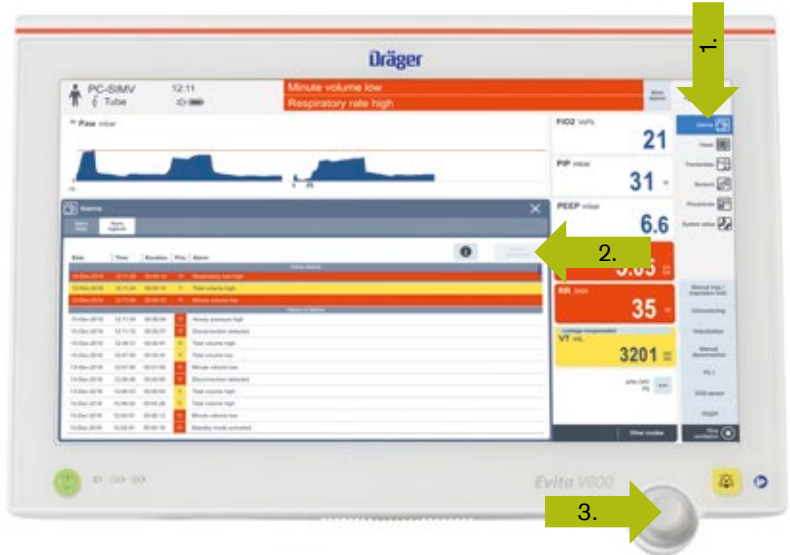
1. Press the **alarm silence** key.

Alarms

Display of alarms – Confirming alarm messages

The alarm logbook lists all alarms that are active and the ones which are no longer active.

1. Open the **Alarm** dialog page.
2. Touch the **Reset all alarms** button.
3. Confirm with the **rotary knob**.



Set alarm limits

1. Touch the **Alarms** button in the main menu bar. The **Alarm limits** dialog page is preselected.
2. Touch the corresponding button for the upper or lower alarm limit
3. Set the value by turning the **rotary knob** and confirm.



Monitoring

Installing the CO₂ sensor and CO₂ cuvette

1. Insert the plug of the CO₂ sensor into the socket at the rear of the ventilation unit.
2. Insert the cuvette into the patient port of the Y-piece.
3. The cuvette windows are facing to the side. Position the cuvette vertically to avoid condensate accumulation.
4. Place the CO₂ sensor onto the cuvette. The cable is facing towards the device.



Monitoring

CO₂ monitoring Opening the dialog page

Prerequisite:

The CO₂ sensor has warmed up.

Time until availability: <10 s

Time until specified

accuracy is reached: <120s

1. Touch the **Sensors** button in the main menu bar.
2. Touch the **CO₂ sensor** tab.
3. Select the **cuvette type** used, either reusable or disposable.
4. Start zero **calibration**.
5. Activate CO₂ monitoring.



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