Dräger

Pocket Guide

Evita® V800 /
Evita® V600

Software version 1.n

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Content

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
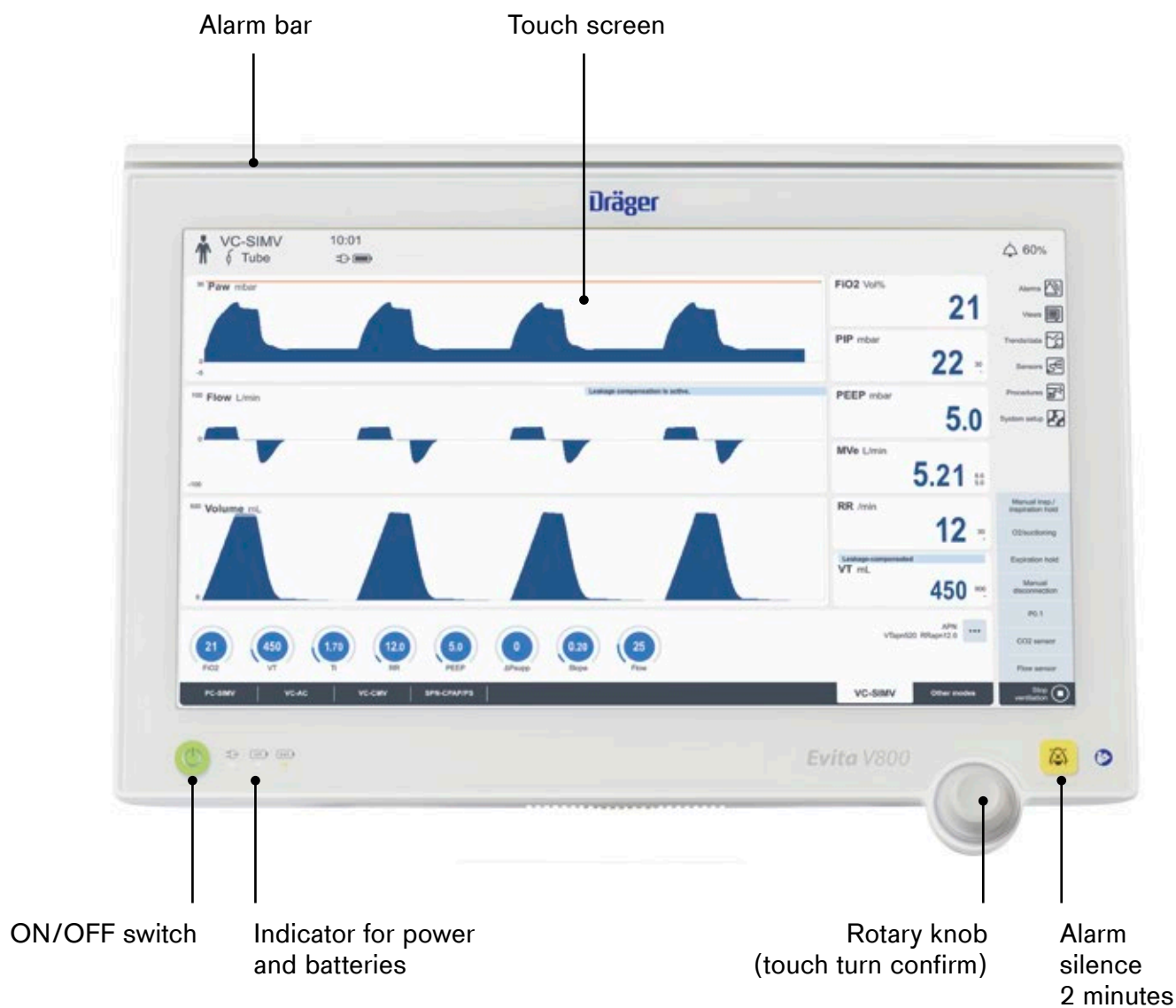
Gas supply unit GS500

Power supply unit PS500
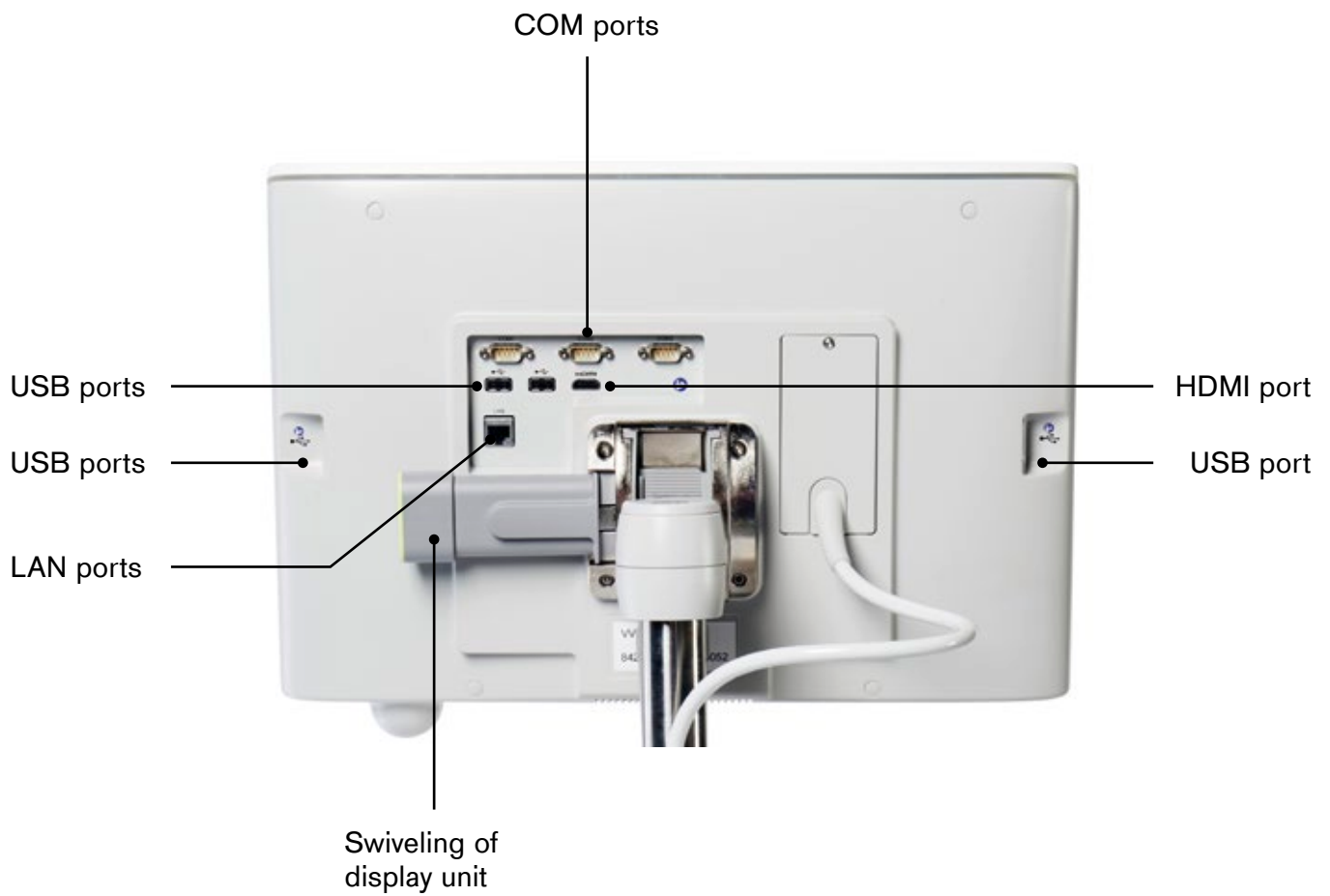
Trolley with 4 brakes

Evita® V800

Product description

Display unit, front

Alarm bar   Touch screen

ON/OFF switch   Indicator for power   Rotary knob   Alarm
                  and batteries   (touch turn confirm)   silence
                                                                            2 minutes

Product description

Display unit, rear

COM ports

USB ports

USB ports

LAN ports

HDMI port

USB port

Swiveling of
display unit

Product description

Ventilation unit, front

Flap

Expiratory flow sensor

Nebulizer port

Operation display of ventilation

Expiration valve

Inspiration valve

Emergency air intake

Water trap
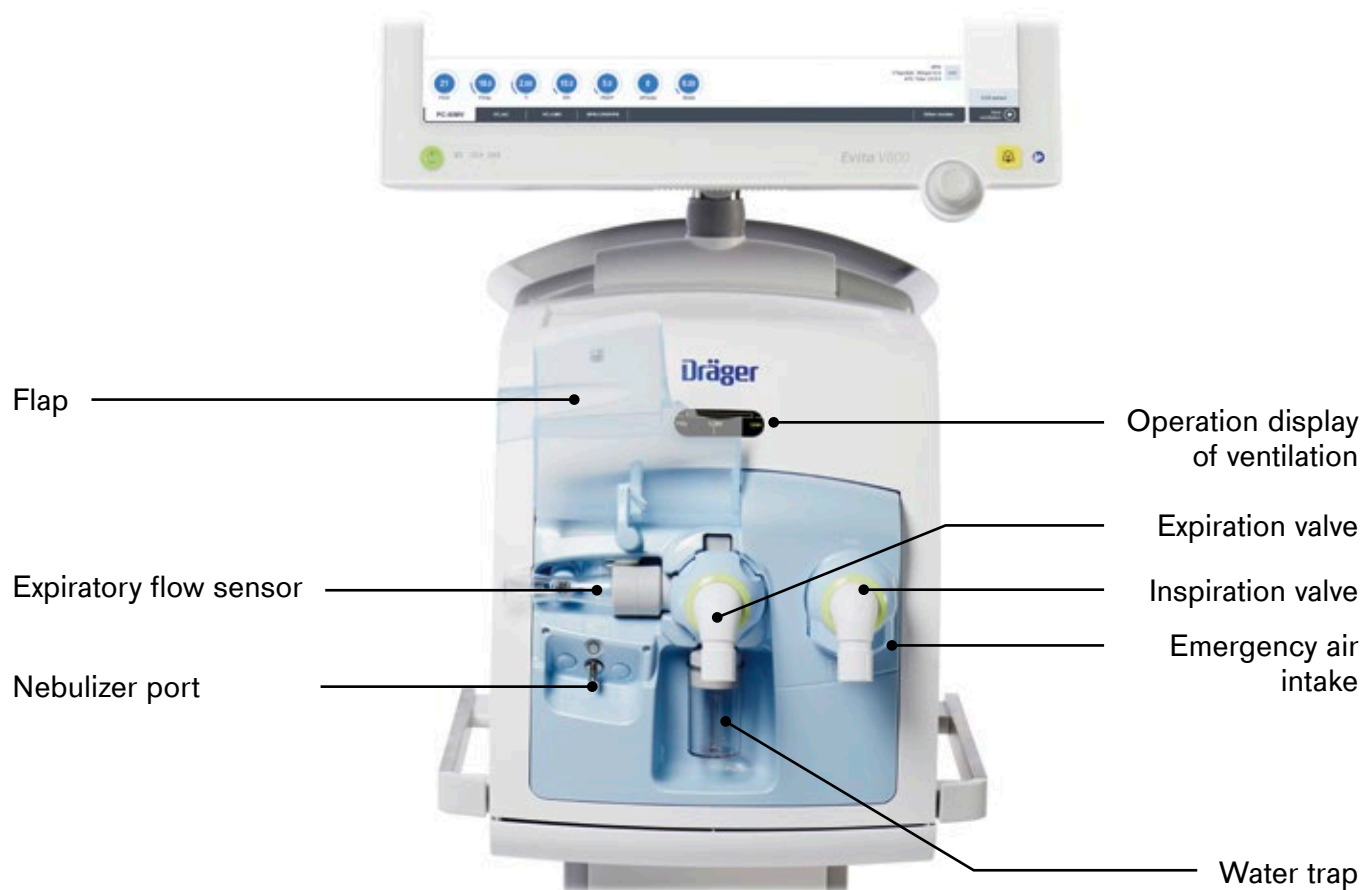
Operating concept

Screen, general structure

Header bar

Monitoring area

Main menu bar

Therapy bar

Operating concept

Main screen

Patient category

Ventilation mode / Therapy type

Power supply / charge status indicator of battery

Alarm messages

Buttons to open the
- Alarms dialog
- Views dialog
- Trends/data dialog
- Sensors dialog
- Procedures dialog
- System set up dialog

Button to open other modes

Button to
- Start/Stop ventilation
- Start/Stop O_2 therapy
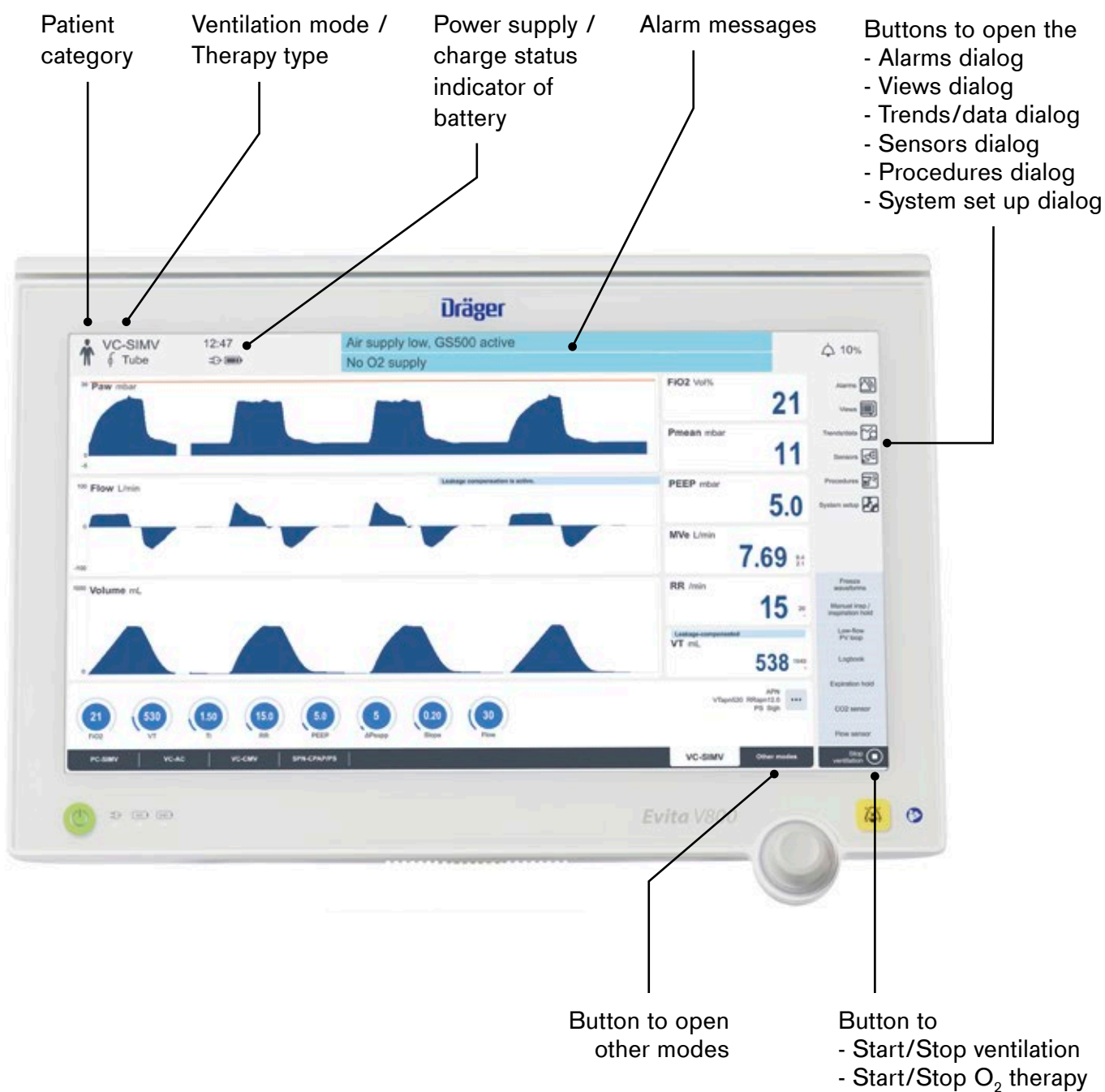
Operating concept

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	🔔 60%
Tidal volume high	🔔 60%
Battery activated	🔔 60%

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'.
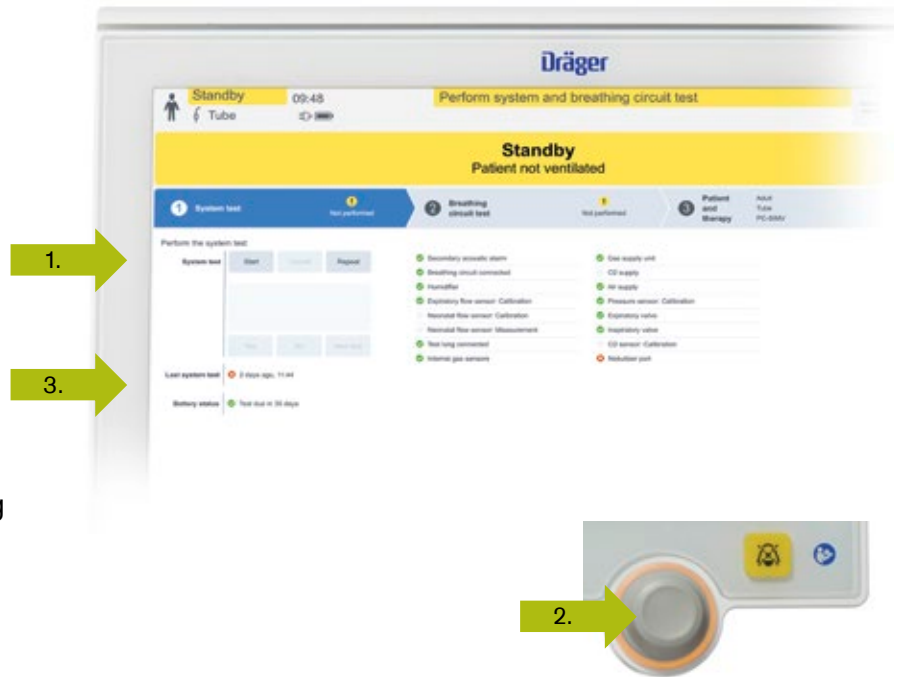
Breathing circuit test

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.
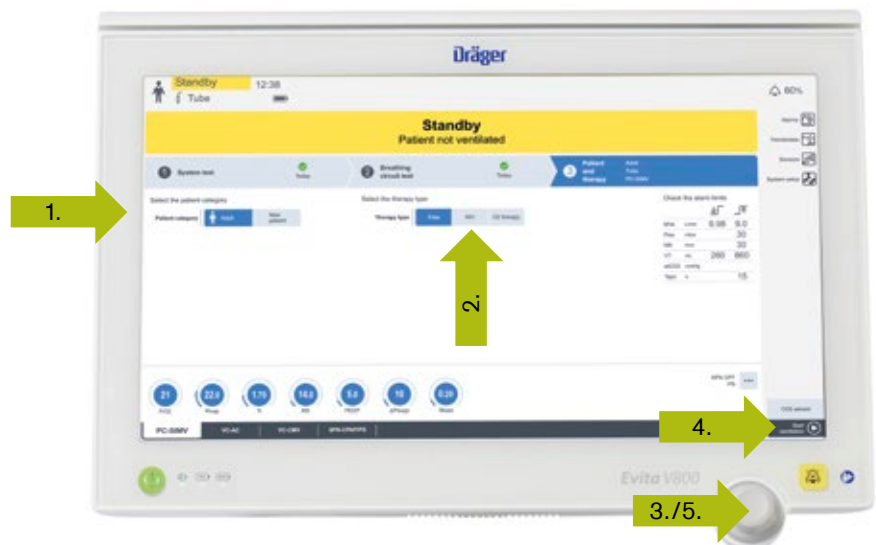
Getting started

Starting the therapy (for a new adult or paediatricpatient 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, O$_2$ therapy)**.

6. Confirm with the **rotary knob**.

7. Check the alarm limits and touch the button **Start ventilation**.

8. Confirm with the **rotary knob**.
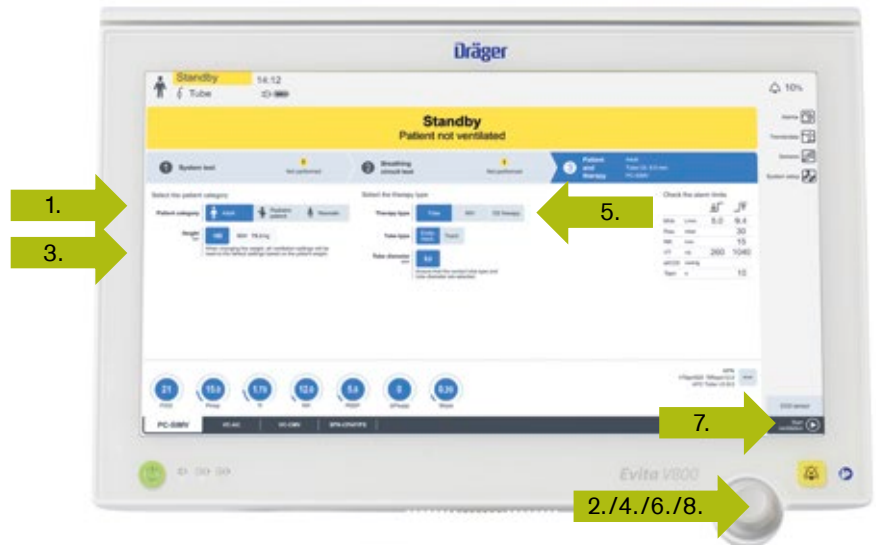
Starting the therapy (for a new adult or paediatric patient based on the **patient category**)

1. Touch the button for the relevant **patient category**.

2. Touch the button for the relevant **therapy type (Tube, NIV, O$_2$ therapy)**.

3. Confirm with the **rotary knob**.

4. Check the therapy settings (ventilation mode, ventilation parameter, alarm limits) and touch the button **Start ventilation**.
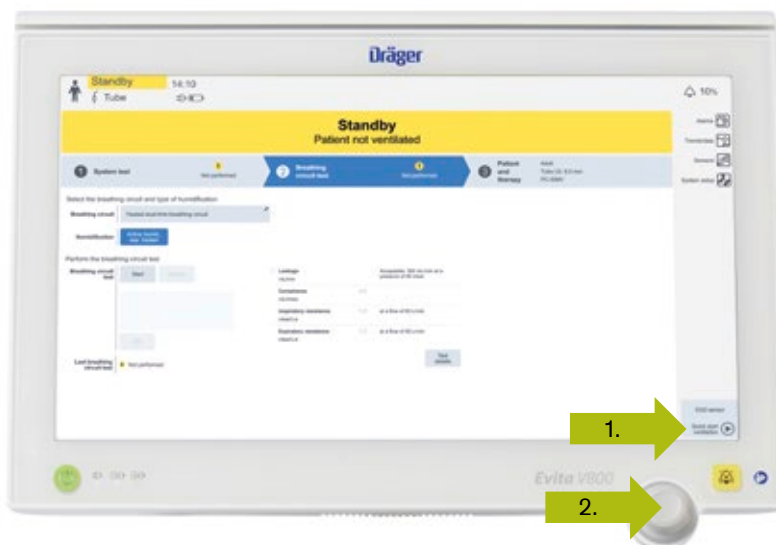
5. Confirm with the **rotary knob**.

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.

1./2.

3.

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.

1.

2.

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
   – O$_2$ 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** 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.

O$_2$ therapy

Patient-side accessories such as oxygen masks or nasal cannulas can be used for O$_2$ therapy.

During O$_2$ therapy, only the O$_2$ 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 O$_2$ 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

Alarm bar

Alarm message field

More alarms

Blinking
parameter field

Display of alarms – Acoustic alarm signals

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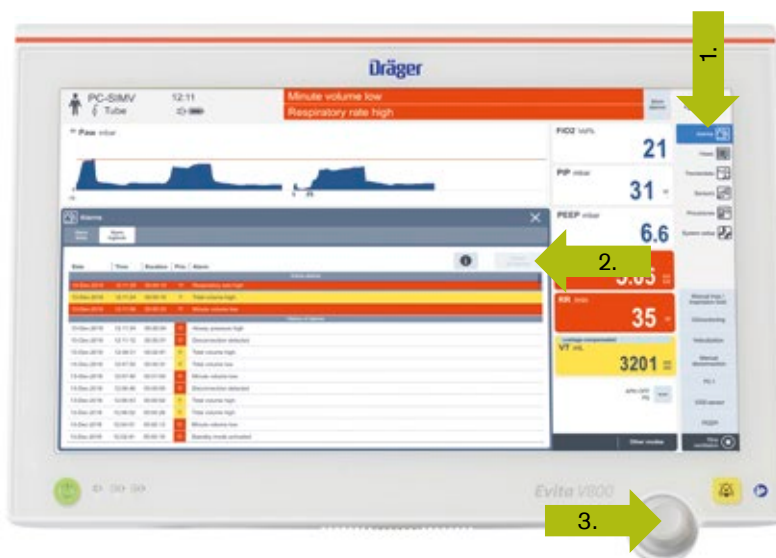signal can be suppressed for
2 minutes maximum.

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 CO_2 sensor and CO_2 cuvette

1. Insert the plug of the CO_2 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 CO_2 sensor onto the cuvette. The cable is facing towards the device.

Monitoring

CO_2 monitoring Opening the dialog page

Prerequisite:

The CO_2 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 **CO_2 sensor** tab.

3. Select the **cuvette type** used,
   either reusable or disposable.

4. Start zero **calibration**.

5. Activate CO_2 monitoring.

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