

Supplement

Functions in the integrated system

WARNING

To properly use this medical device, read and comply with the instructions for use and this supplement.

Anesthesia workstation

Supplement to the instructions for use

Instructions for use	Part number	Edition
Perseus A500 SW 2.0n	9055501	1 – 2017-02 and higher
Atlan A300, A300 XL, A350, A350 XL SW 1.0n	9056001	1 – 2018-09 and higher

- Keep this supplement with the instructions for use.

This supplement updates the information of the instructions for use.

For your safety and that of your patients

Product-specific safety information

The following warning notes have been added:

WARNING

Risk when operating in an integrated system

Activating the alarm tone suppression (Audio paused) on one device can have an effect on all the devices in the integrated system. Consequently, alarms may not be heard because they are sounded only in truncated form or possibly not at all. The maximum duration of the alarm tone suppression on the respective devices will not be altered.

Increased attention is required when this function is used.

WARNING

Risk when operating in an integrated system

The integrated system ID determines which devices can communicate with one another. Incorrect or unsuitable integrated system IDs may result in unintended device behavior.


- Assign integrated system IDs according to the current device location.
- Check the integrated system ID after intrahospital transport.
- Use distinguishable designations.
- Avoid characters that can easily be confused (e.g., 0 and O).
- Avoid long designations that closely resemble one another.
- Avoid incomprehensible designations.
- Before establishing the connection, check that the integrated system ID has been entered correctly.

Overview

Hardware

Screen

This chapter has been changed:

- B** **Audio paused** key  to suppress the alarm tones of all active alarms for 2 minutes. This information will be sent to all the devices in the integrated system.

Functional scope

Data exchange, interfaces

Network interface

This text has been added:

The Connectivity Converter CC300 is available as an option. When the Connectivity Converter CC300 is used, there is one RS232 serial interface less and one network interface more available.

Perseus can be operated in an integrated system by means of the Connectivity Converter CC300. Connected devices can then display or make further use of information, e.g., to synchronize the color scheme or the alarm silence.

Most important here is an integrated system ID that can be set in the device. The integrated system ID is formed from the designations for **Hospital ID**, **Department ID**, and **Workstation ID**. To operate devices as an integrated system, the integrated system ID must be identical on all devices that belong to the same workstation.

The Connectivity Converter CC300 can synchronize its time with the network and forward it to Perseus. If a ServiceConnect Gateway is connected to the network, the RemoteService function for the Connectivity Converter CC300 can be utilized.

Operating concept

Screen

Main screen

This chapter has been changed:

A Header bar

The header bar contains the following fields:

- Patient category
- Patient data
- System information (date, time, device name or integrated system ID, symbol for connection status)

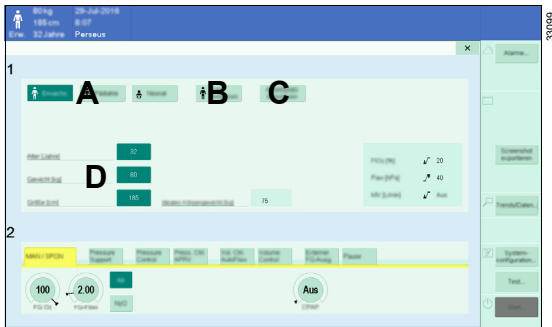
- Alarms, messages, and instructions for the user
- Information regarding temporarily deactivated alarms

Operation

Starting the therapy

Loading the patient data

This chapter has been changed:



There are 3 possibilities for loading patient data:

- A** Defining a new case
- B** Continuing a case
- C** Importing patient data from the integrated system

Depending on the selection, the patient data in area (D), e.g., weight or age, are filled in automatically.

This chapter has been added:

Importing patient data

Use the following when patient data are provided in the integrated system:

- Touch the **Import data** button (C).

The patient data (patient category, age, weight, and height) are imported and filled in automatically in area (D). Changes are made if necessary to comply with the requirements defined in Perseus.

The parameters and alarm limits are set based on the imported patient data.

Button (C) is enabled if the data in area (D) match the data present in the integrated system.

Maneuvers (optional)

Step 1 has been added:

Available maneuvers

- **Insp./Exp. hold**
- **One-step recruitment**
- **Multi-step recruitment**

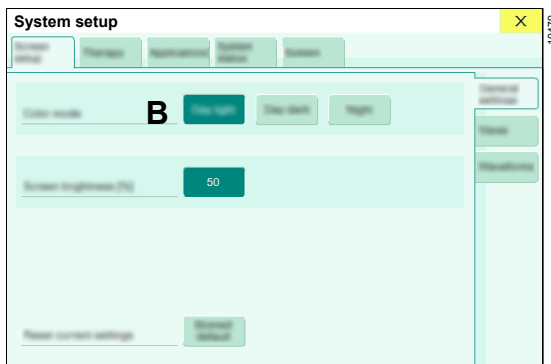
- 1 Open the **Procedures** dialog window.

Other devices in the integrated system receive the information that the dialog window has been opened. Devices in the integrated system which support this function can then automatically open a corresponding window.

Organizing the screen display

Changing the color scheme and the screen brightness

Step 3 has been added:



- 3 To change the color scheme, touch one of the buttons in **Color scheme** (B). This device can be configured so that the color scheme will be synchronized with the integrated system. For more information, see page 7.

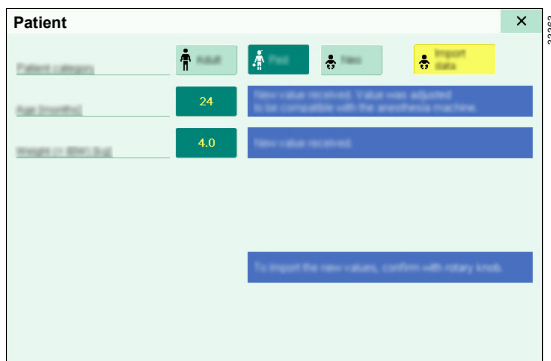
Changing the patient data

This chapter has been added:

Patient data can be changed during operation.

If the patient data have been imported and these data are then altered on another device in the integrated system, the field with the patient data flashes in the header bar.

- 1 Open the **Patient** dialog or touch the patient data in the header bar.



If the patient data in the integrated system deviate from the currently set data, the relevant values will be highlighted.

- 2 Confirm the changes to adopt the data from the integrated system.

If the changes are not confirmed, the data will no longer match the data in the integrated system. Further changes to the patient data in the integrated system will no longer be indicated.

Alarms

Response to alarms

This chapter has been added:

Suppressing the alarm tone

This device can be configured so that the following occurs:

- The devices in the integrated system are informed that the alarm tone has been suppressed.
- The alarm tone suppression is automatically activated as soon as the alarm tone suppression on a connected device is activated.

For more information, see page 7.




Configuration

Defining start settings

System setup > Therapy

This line has been added to the table:




Vertical tab "Patient"

Headline/ Parameter	Setting range			Description
				
Default selection for "Start" dialog	Continue case; New adult ; New pediatric; New neonate; Import data			Defines the button that is preselected when the Start dialog window is opened. The Import data button can only be selected if Patient data import is configured to On, see page 7.

System setup > System




This line has been added to the table:




Vertical tab "General"

Headline/ Parameter	Setting range			Description
				
Time source	MEDIBUS 1; MEDIBUS 2; NTP server; None ; CC300			Defines the source for the time synchronization. Prerequisite: Connected device supports this function.

This table has been added to:

Vertical tab "System integration"

Headline/ Parameter	Setting range			Description
				
Integrated system ID				To establish an integrated system, all the associated devices must be given exactly the same integrated system ID. The integrated system ID is formed from the following designations: <ul style="list-style-type: none"> – Hospital ID – Department ID – Workstation ID Use the Disconnect and Connect buttons to join or leave an integrated system.
Hospital ID	If the resulting integrated system ID is too long, it will not be displayed fully in the header bar. The integrated system ID will then be truncated, starting from the left side.			Enter the respective designation.
Department ID				
Workstation ID				
Shared system functions				
Adopt alarm silence (Audio paused)	On ; Off			Determines whether alarm silence will be adopted. Prerequisite: Another device in the integrated system sends the appropriate command. On: The alarm silence will be adopted. Off: The alarm silence will not be adopted.

Headline/ Parameter	Setting range			Description
				
Adopt color scheme	On; Off			Determines whether a change of the color scheme will be adopted. Prerequisite: Another device in the integrated system sends the appropriate command. On: The color scheme will be adopted. Off: The color scheme will not be adopted.
Patient data import	On; Off			On: The Import data button will be displayed in the start dialog and in the Patient dialog window. Off: The button will not be displayed.

Troubleshooting

Alarm – Cause – Remedy

This chapter is added:

Alarm priority	Alarm	Cause	Remedy
! 0	Communication failure	The network connection could not be established.	Re-establish the connection. Use "ALARM RESET" to acknowledge alarm.
			Check the connections from/to Connectivity Converter CC300.
		A network certificate has expired or Connectivity Converter CC300 is faulty.	Call DrägerService.
		In the network, there is another anesthesia machine with the same integrated system ID.	Check the integrated system ID.

Configuring the integrated system



This chapter is added:

The following messages may be displayed if there are connection problems between the main device and the integrated system:

- **Connectivity Converter CC300 not found. Check the interface settings for COM 1 or COM 2.**
- **The connection to Connectivity Converter CC300 could not be established. Check the port configuration.**
- **Confirmation of integrated system ID successful.**
- **The integrated system ID is incomplete. Fill out the 3 ID fields.**
- **In the network, there is another anesthesia machine with the same integrated system ID. Check the integrated system ID.**
- **Connectivity Converter CC300 could not connect to the network. Check the network connection.**
- **Connectivity Converter CC300 is faulty. Call DrägerService.**
- **The certificate of Connectivity Converter CC300 has expired. Renew the certificate.**
- **The certificate of Connectivity Converter CC300 will expire soon and must be renewed.**
- **The integrated system ID needs to be confirmed. If the entered IDs are correct, touch "Connect".**
- **The integrated system ID contains an invalid character. Make sure that the entered IDs only contain ASCII characters.**
- **The entered integrated system ID is invalid. Check the integrated system IDs of all connected devices.**
- **No other device found that uses the same integrated system ID. Check if the other device is correctly connected and powered on. Make sure that the other device uses the same integrated system ID.**

Annex

Symbols

Symbol	Explanation
	The device is in the integrated system. The integrated system ID has been confirmed.
	Operation in the integrated system is impaired or not possible. If the integrated system ID still has not been confirmed, this will be indicated by question marks before and after the ID in the header bar, e.g., "?? ACH/OP 4 ??".



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Dräger reserves the right to make modifications
to the medical device without prior notice.

