

Dräger OR Companion Data-driven Solutions

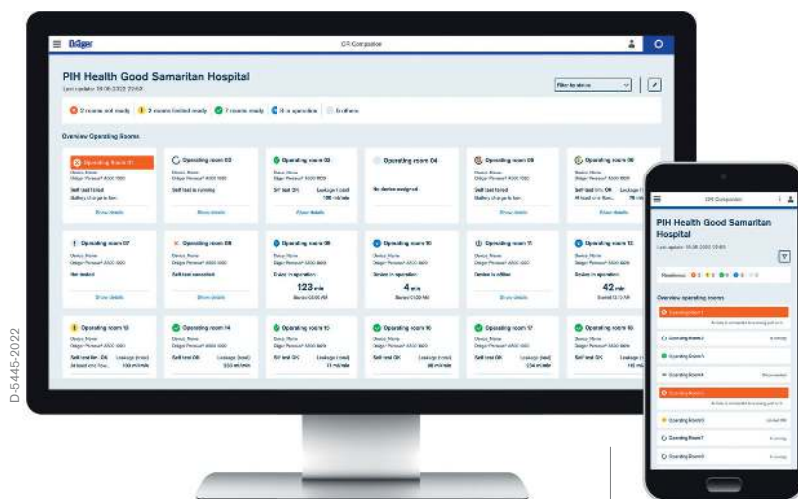
Check the live status of your operating rooms and support an effective management of the OR department with the OR Companion. Upgrade the solution with the Self-Test Tracker option to streamline staff workflows for the daily anaesthesia system test procedure, protect patients and achieve a high uptime of anaesthesia workstations.

Central overview on operating rooms and equipped anaesthesia machines of the hospital in one dashboard

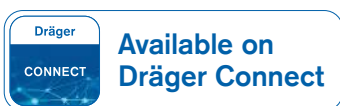
Accelerated readiness of anaesthesia machines with troubleshooting support for failed system tests (option)

Relevant management information on anaesthesia machine status and operating room runtimes

Easy checking of the safety-related anaesthesia system test results (option)



D-5445-2022



Flexible usage with mobile and desktop access to Dräger Connect applications

Benefits

Status information on your induction and operating rooms

The OR Companion provides you with workflow support for the management and readiness of your operating rooms. The software allows you to view status information of all networked Perseus® A500 and Atlan® family anaesthesia machines across the hospital.

- Receive a dashboard with all induction and operating rooms of your hospital and the equipped anaesthesia devices per room.
- View the status of each anaesthesia device indicated as online, offline or in use.
- Check the runtime of all operating rooms in use based on live data.

System test insights with Self-Test Tracker (Optional add-on)

Compliance with the recommendations for daily system test procedures helps to protect patients by putting devices in a safe operating condition and thus preventing adverse events during anaesthesia.^{[1],[2]} The centralised overview of system test results in the Self-Test Tracker allows you to confirm that all system tests have been completed successfully and that procedures can start safely and exactly whenever planned.

The Self-Test Tracker functionality supports high uptime and safe operation of anaesthesia workstations.

- **Automates important steps of the system test procedure:** With the unique Auto On function of our Perseus® A500 and Atlan® family* workstations, the system tests can be initiated automatically at a pre-configured time and will already be completed when staff enter the OR department in the morning. With a glance at the Self-Test Tracker from anywhere within the hospital, staff are informed about the operational readiness of the anaesthesia machines and can, in case of complications, quickly shift their focus to troubleshooting.
- **Enables fast troubleshooting to reduce downtime:** Operating rooms contribute strongly to the financial success of a hospital and operating room downtime, for example because devices are inoperable, results in financial losses.^[3] In case an anaesthesia machine system tests isn't completed successfully, the Self-Test Tracker acts as an assistance system and immediately provides staff with error information and troubleshooting steps.
- **Supports a secure operation:** Gas leakage values are shown per anaesthesia machine to indicate the secure operation of a device.
- **Enhanced fleet management opportunities:** The software provides staff with insights to the runtime and system test history of a connected anaesthesia device which increases transparency on the device's performance.

* Auto On is only available for Atlan family workstation with software 2.0 or higher.

Customisable to your individual needs

The OR department of every hospital is unique. The dashboard of the OR Companion can be adapted to display all your operating rooms and induction rooms with their individual names and the allocated anaesthesia workstations with their individual name or serial number.

Benefits

High level of data security

The Dräger Connect cloud solution is designed with security and data privacy in mind. Device data are transferred, collected and analysed. Data is sent securely from the ServiceConnect® Gateway installed in the hospital network via a secured VPN tunnel to the Microsoft® Azure cloud storage. Authorised users can access the services of Dräger Connect from desktop PCs or mobile devices via a secured connection to the cloud server.

Accessible on Dräger Connect: Our central platform for your digital health services

Dräger Connect is your cloud-based suite of digital health services that enables the department to drive data-based decision making. Besides the OR Companion, Dräger Connect also features dashboards for the analytics of your fleet management, anaesthesia efficiency and alarm management.

[1] Prien T. et al. (2019). Funktionsprüfung des Narkosegerätes zur Gewährleistung der Patientensicherheit – Empfehlung der Kommission für Normung und technische Sicherheit der DGAI. *Anästhesiol & Intensivmed.*; 2019(60), 75-83.

[2] Mehtap S. P.; Eisenkraft J. B.; Posner K. L.; Domino K. B. (2013). Patient Injuries from Anesthesia Gas Delivery Equipment: A Closed Claims Update. *Anesthesiology* 119, pp. 788-795.

[3] Giroto, J. A.; Koltz, P. F.; Drugas, G. (2010). Optimizing your operating room: Or, why large, traditional hospitals don't work. *International Journal of Surgery*, 8(5), pp. 359-367.

OR Companion at a glance

PIH Health Good Samaritan Hospital
Last updated: 09.07.2020, 06:34

Filter by status

2 rooms offline | 4 rooms online | 2 rooms active | 2 others

Overview Operating Rooms

Operating room	Status	Device Name	Runtime
Operating room 1	Online	Dräger Perseus* A500 1020	-
Operating room 2	Online	Dräger Perseus* A500 1020	-
Operating room 3	Offline	Dräger Perseus* A500 1020	-
Operating room 4	Online	Dräger Perseus* A500 1020	-
Operating room 5	In operation	Dräger Perseus* A500 1020	42 min (Started 12:10 AM)
Operating room 6	No device assigned	-	-
Operating room 7	In operation	Dräger Perseus* A500 1020	5 min (Started 05:43 AM)
Operating room 8	Offline	Dräger Perseus* A500 1020	-
Operating room 9	Online	Dräger Perseus* A500 1020	-
Operating room 10	No device assigned	-	-

The dashboard of the OR Companion provides an overview on your operating rooms, their equipped anaesthesia workstation and the runtime of interventions.

PIH Health Good Samaritan Hospital
Last updated: 09.07.2020, 06:34

Filter by status

2 rooms not ready | 2 rooms limited ready | 7 rooms ready | 3 in operation | 5 others

Overview Operating Rooms

Operating room	Status	Device Name	Self-Test	Leakage (total)	Runtime
Operating room 01	Not ready	Dräger Perseus* A500 1020	Self test failed	-	-
Operating room 02	Limited ready	Dräger Perseus* A500 1020	Self test is running	-	-
Operating room 03	Ready	Dräger Perseus* A500 1020	Self test OK	100 ml/min	-
Operating room 04	Offline	-	No device assigned	-	-
Operating room 05	Limited ready	Dräger Perseus* A500 1020	Self test failed	-	-
Operating room 06	Ready	Dräger Perseus* A500 1020	Self test lim. OK	78 ml/min	-
Operating room 07	Offline	Dräger Perseus* A500 1020	Not tested	-	-
Operating room 08	Not ready	Dräger Perseus* A500 1020	Self-test cancelled	-	-
Operating room 09	In operation	Dräger Perseus* A500 1020	Device in operation	-	123 min (Started 02:00 AM)
Operating room 10	In operation	Dräger Perseus* A500 1020	Device in operation	-	4 min (Started 01:30 AM)
Operating room 11	Offline	Dräger Perseus* A500 1020	Device is offline	-	-
Operating room 12	In operation	Dräger Perseus* A500 1020	Device in operation	-	42 min (Started 12:10 AM)
Operating room 13	Limited ready	Dräger Perseus* A500 1020	Self-test lim. OK	103 ml/min	-
Operating room 14	Ready	Dräger Perseus* A500 1020	Self test OK	233 ml/min	-
Operating room 15	Ready	Dräger Perseus* A500 1020	Self test OK	77 ml/min	-
Operating room 16	Ready	Dräger Perseus* A500 1020	Self test OK	98 ml/min	-
Operating room 17	Ready	Dräger Perseus* A500 1020	Self test OK	234 ml/min	-
Operating room 18	Ready	Dräger Perseus* A500 1020	Self test OK	112 ml/min	-

When adding the Self-Test Tracker option, system test results per configured anaesthesia workstation are displayed streamlining the daily routine. Devices for which the system test was not carried out successfully are easy to identify.

Self-test failed PEEP valve calibration fail...
 Date of self-test: 03.05.2022 17:41

Cause
 PEEP valve calibration failed. Mechanical ventilation is not available.

Corrective actions

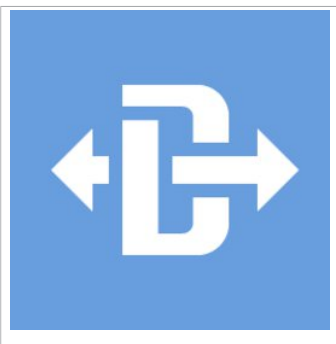
- Do not move the breathing hoses, the breathing bag, or the device during the test.
- Seal the Y-piece.
- Check the breathing hoses for condensed water.

History
 Last updated: 03.05.2022 17:41

✖ PEEP valve calibration failed. Mechanical ventilation is not available.	03.05.2022; 07:17
✔ Self-test ok	02.05.2022; 07:35
⚠ The internal gas delivery system is not operational. The flow measurement...	01.05.2022; 07:28
✔ Self-test ok	30.04.2022; 07:35
✔ Self-test ok	29.04.2022; 07:35
⏸ Not tested	28.04.2022; 07:01
✔ Self-test ok	27.04.2022; 07:35
✔ Self-test ok	26.04.2022; 07:35
✖ Oxygen supply is not available.	25.04.2022; 07:05
⚠ The internal gas delivery system is not operational. The flow measurement...	24.04.2022; 07:28
✔ Self-test ok	23.04.2022; 07:35
✔ Self-test ok	22.04.2022; 07:35
✔ Self-test ok	21.04.2022; 07:35

The Self-Test Tracker option provides information on corrective actions for occurring issues during the system test procedure. Additionally, the system test history is evaluated and displayed per device.

System Components



D-58392-2022

ServiceConnect® Gateway

The ServiceConnect® Gateway (SCG) supports uptime of Dräger products by enabling connected maintenance procedures and data analytics. The SCG allows quick and cost-efficient access to log files, firmware distribution via the network, TLS certificate management and remote IT support. The SCG is a server application running in the hospital IT infrastructure on standard windows operating systems. It requires permanent internet connectivity to Dräger using a state-of-the-art secure network tunnel.

System Components



D-8833-2011

Dräger Perseus® A500

Outstanding ventilator technology meets the latest approaches to ergonomics and system integration in one innovative anaesthesia machine, developed together with experts from all over the world to streamline your anaesthesia workflow.



D-5542-2022

Dräger Atlan® A350/A350 XL

The new platform offers flexibility for most spatial conditions. The high precision piston ventilator supports lung protective ventilation measures and a comprehensive set of parameters assist decision-making support. The Atlan A350/XL can be networked to communicate bi-directionally and securely with other networked devices to share data and information that can help to increase efficiency and reduce errors in anaesthesia.



D-12642-2018

Dräger Atlan® A300/A300 XL

The new platform offers flexibility for most spatial conditions. The high precision piston ventilator supports lung protective ventilation measures and a comprehensive set of parameters assist decision-making support. The Atlan A300/XL can be networked to communicate bi-directionally and securely with other networked devices to share data and information that can help to increase efficiency and reduce errors in anaesthesia.

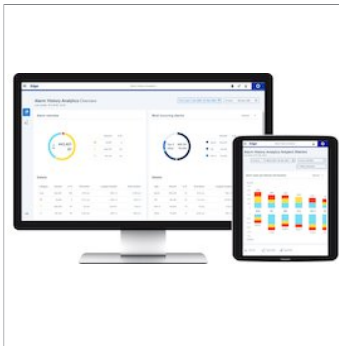
Related Products



D-5451-2022

Dräger Gas Consumption Analytics

Discover insights into your anaesthetic gas consumption with Gas Consumption Analytics. From the dashboard, derive key clinical, financial and environmental insights from your connected Dräger anaesthesia devices. With Gas Consumption Analytics, manage everything from fresh gas flow to your patient's uptake ratio to improve delivery of care and reduce departmental costs.



D-5603-2022

Dräger Alarm History Analytics

Gain continuous insights from your clinical alarms with Alarm History Analytics. This solution supports your alarm management strategy and provides a customised analysis of the alarms occurring from your Infinity® patient monitors. Identify the causes of high alarm quantities in your units and monitor the results of countermeasures over time in the dashboard.



D-5525-2022

Device Utilization Analytics

Consolidate all relevant device information on the utilization of your networked hospital device fleet. Summarized into a comprehensive overview Device Utilization Analytics helps you to gain a data basis for purchase decision making. To facilitate cybersecurity and performance, you can easily monitor live device status, review historical utilization information and check the current software status of your medical devices.

Technical Data

PC device requirements for web-based solution

Desktop/Laptop hardware	Full HD screen (1920 x 1080 pixels) recommended for best visual performance
Desktop/Laptop operating systems	Windows 7 or higher
Mobile access	Yes
Recommended web browser	Microsoft Edge, Mozilla Firefox, Google Chrome (for Windows-based systems)
Internet connection	Internet access via web browser shall support secure connections (https) and allow cookies

System requirements

Compatible devices	Perseus® A500, Atlan® A300, Atlan® A300 XL, Atlan® A350, Atlan® A350 XL
Perseus® A500 software version	Version 1.13 or higher. Version 2.0 or higher for Self-Test Tracker option
Atlan® family software version	Version 1.0 or higher

ServiceConnect® Gateway server platform requirements*

ServiceConnect® Gateway software version	Version 2.12.4 or higher
System host	Workstation or equivalent Virtual Machine (VM)
Operating system	Windows 64bit (Windows 10 x64, Windows Server 2016 R2 x64 or higher recommended)
Browser (for SCG configuration interface)	Microsoft Edge, Mozilla Firefox, Google Chrome
CPU	Up-to-date multi-core CPU with 2GHz or higher
Storage	25 GB minimum free hard drive space for SCG application
Memory	8 GB RAM minimum
Video	1280 x 1024 or higher, 32bit or more colours
Network	Two ethernet adapters (for connection to Medical Device Network and Internet / hospital network)
UPS	Uninterruptible Power Supply is optional; recommended to ensure continuous operation during brief losses of power and to protect the system from power line disturbances

* UPS and memory requirements may vary depending on the amount of connected and monitored devices

Additional customer infrastructure requirements

Internet connection	Internet connection is required to establish a secured and encrypted connection for data transfer and gateway communication
VPN connection	A VPN connection (Client VPN or Site-To-Site) via Dräger ServiceConnect® Remote Data Connection (RDC) infrastructure for easy and secure remote access and IT system monitoring is installed on demand

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Notes

Notes

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