

Dräger Gas Consumption Analytics Hospital Data Analytics

Discover insights into your anaesthetic gas consumption with Gas Consumption Analytics. The application helps you to monitor the implementation of lung-protective ventilation strategies and derive financial insights from the agent consumption of connected anaesthesia devices by Dräger. Utilise the application to create transparency on consumption uptake, efficiency, cost and applied fresh gas flows.

Benefits

Transparency to reduce your anaesthetic gas consumption

Gas Consumption Analytics provides you with tailored clinical and economic insight into the gas and anaesthetic agent consumption of your Dräger Perseus A500 and Atlan-family anaesthesia machines to help you reduce consumption.

- Analyse the volume and cost of consumption of sevoflurane, isoflurane and desflurane, as well as nitrous oxide, oxygen and medical air.
- Review your performance and improvements in anaesthetic and gas use reduction with indicators such as efficiency (uptake vs consumption), cost per case, total cost and fresh gas flows used.
- Filter the data by selecting single operating rooms or cases, case durations, specific time frames.

Calculation of CO₂ equivalent

Gas Consumption Analytics visualises the pollution caused by consumed anaesthetic agents. With the climate-damaging potency of volatile anaesthetics being significantly higher than that of carbon dioxide, you can quickly visualise the CO₂ equivalent of a distance driven by a car.

Indication of fresh gas flow settings

With Gas Consumption Analytics, you receive an overview of the flow settings being used during anaesthetic procedures. This provides the possibility to implement patient protecting low- and minimal-flow practices. These practices are suitable for maintaining the optimal breathing gas temperature and keeping the right level of humidification of respiratory gases, supporting lung protective ventilation of patients.

Data export option

For individual reporting purposes or subsequent analysis, the collected data can be exported from Dräger Connect into a spreadsheet.

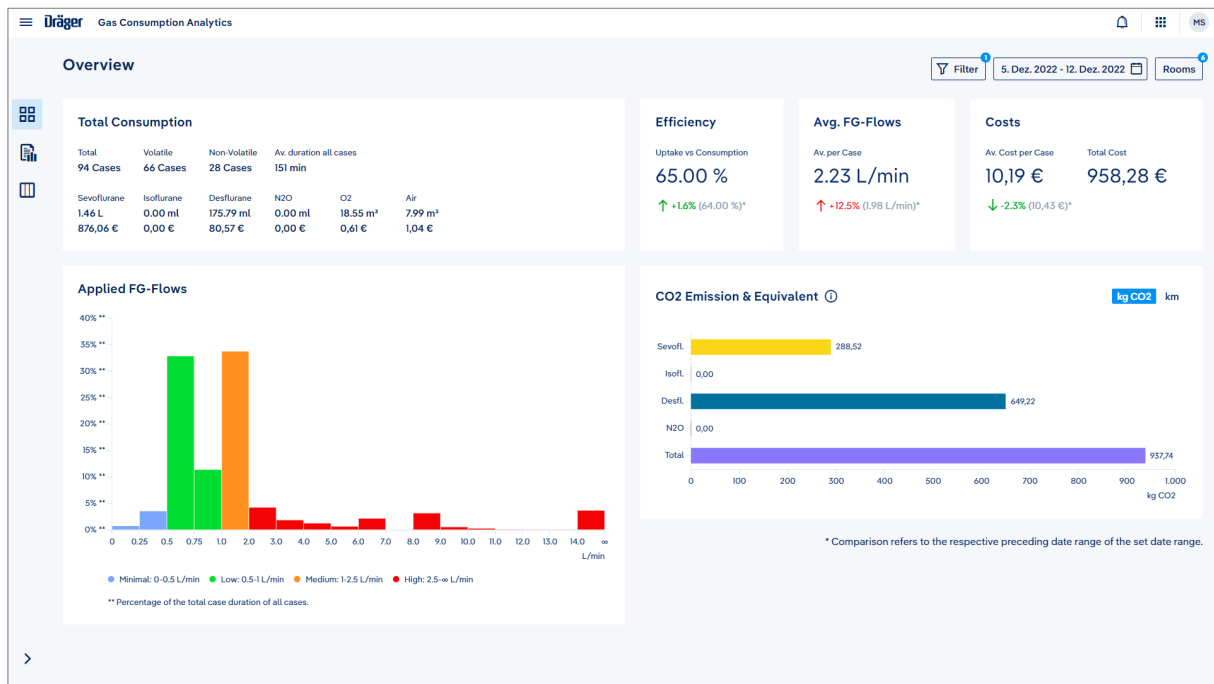
High level of data security

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

Besides Gas Consumption Analytics, Dräger Connect features dashboards for the analytics of your fleet management, mechanical ventilation quality, OR readiness and alarm management (additional subscriptions required).

Gas Consumption Analytics at a glance



D-9954-2024

Gas Consumption Analytics provides you with tailored clinical and economic insight into the gas and anaesthetic agent consumption of your Dräger Perseus A500 and Atlan-family anaesthesia machines to help you reduce consumption.



D-9955-2024

Discover detailed insights about the efficiency of previous anaesthesia cases to continuously improve the usage of anaesthetic gases over time and train staff.

System Components

D-7118-2011



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-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 securely with other networked devices to share data and information that can help to increase efficiency and reduce errors in anaesthesia.

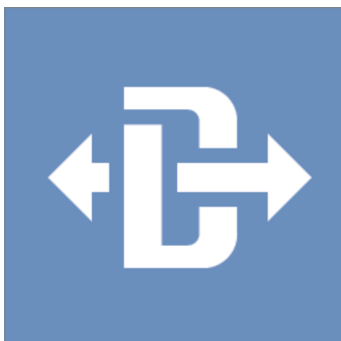
D-5542-2022



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 securely with other networked devices to share data and information that can help to increase efficiency and reduce errors in anaesthesia.

D-5532-2022

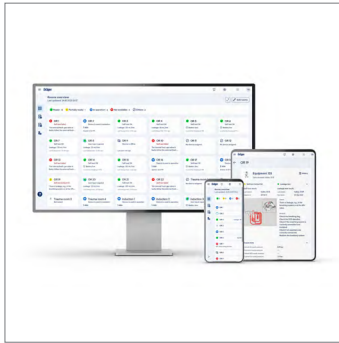


ServiceConnect Gateway

The ServiceConnect Gateway (SCG) supports uptime of Dräger products by enabling access to log files, firmware distribution via the network, TLS certificate management and remote IT support. It also serves as enabler for Data Analytics services. 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 communication.

Related Products

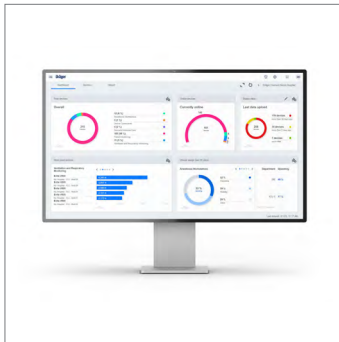
D-6389-2023



Dräger OR Companion

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.

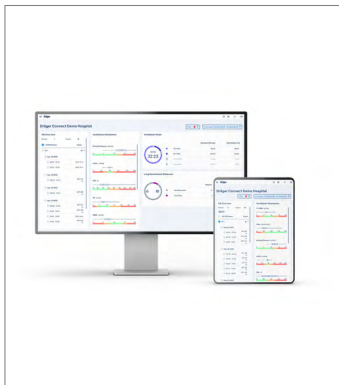
D-6379-2023



Dräger Device Utilization Analytics

Improve the security, performance, and uptime of your networked medical device fleet with Device Utilization Analytics. The solution consolidates relevant information about the utilisation of your networked devices. This enables you to easily monitor device status in near real-time, review historical utilisation information and check the current software status of your Dräger medical devices.

D-8455-2023



Dräger Lung Protective Ventilation Analytics - Anaesthesia

Identify actions to improve patient ventilation therapy with Lung Protective Ventilation Analytics - Anaesthesia. The automatically generated dashboard provides insight into the quality of ventilation by analysing parameters, modes, and recruitment manoeuvres. Enable a consistent implementation of lung protective ventilation practices and benchmark ventilation performance against pre-defined goals to achieve a high standard of ventilation therapy.

D-4263-2023

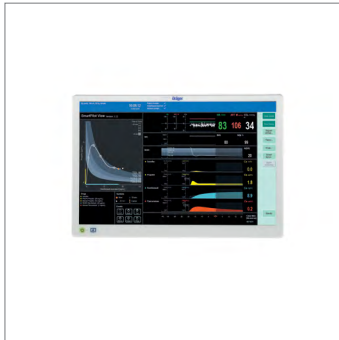


Dräger Mobile Patient Watch

Your access to patient information anytime, anywhere. With Mobile Patient Watch, you receive location-independent access to clinical patient information on mobile devices, tablets or desktop PCs. Customise the application to your care area's needs and perform supervision and remote consultancy based on the near real-time data from Infinity Dräger patient monitors, ventilators and anaesthesia devices.

Related Products

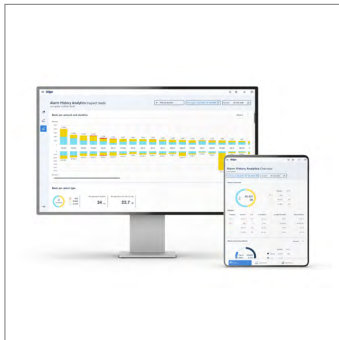
D-45302-2021



Dräger SmartPilot View

The software visualises the complex synergies of anaesthetic drugs and predicts their effects based on pharmacodynamic modelling for both the current status and the prospective course of general anaesthesia. SmartPilot View turns abstract device data into comprehensive visual information to support the decision on more precise and patient-optimised titration of anaesthetic drugs.

D-6388-2023



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.

Technical Data

Compatible end devices

Desktop & Laptop PCs	Operating system	Windows 10 or higher
	Screen resolution	Full HD screen (1920 x 1080 pixel) recommended for best visual performance
	Recommended web browser	Microsoft Edge, Mozilla Firefox, Google Chrome
	Internet connection	Internet access via web browser shall support secure connections (https) and allow cookies
Tablet PCs	Operating system	Latest OS version recommended
	Screen resolution	Minimum of 8.3 inches (1488 x 2266 pixels) recommended for best visual performance
	Recommended web browser	Apple Safari, 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 1.14 or higher
Atlan-family	Software version 1.0 or higher Hardware option Gas Measurement Module (xGM)
Operating room configuration	Dräger OR Companion required to manage operating rooms and assign anaesthesia devices
Time synchronisation	Network Time Protocol (NTP) synchronisation recommended for connected anaesthesia devices

ServiceConnect Gateway (SCG) server platform requirements*

ServiceConnect Gateway Software Version	Version 2.38.2 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 colors

Technical Data

Network	Two ethernet adapters (for connection to medical device network and internet / hospital network)
Uninterruptible Power Supply (optional)	Recommended to ensure continuous operation during brief losses of power, and to protect the system from power line disturbances

* CPU 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 (optional)	A VPN connection (Client VPN or Site-To-Site) via Dräger ServiceConnect Remote Data Connection (RDC) infrastructure for easy and secure remote access to IT system monitoring is installed on demand

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