

# Alarm History Analytics Data-driven Solutions

Draw continuous insights from your clinical alarms with Alarm History Analytics. The application can increase efficiency in clinical alarm management workflows with alarm data from connected Infinity patient monitors. Directly improve the delivery of care by systematically optimising processes and staff planning while identifying the sources of recurring alarms. Reduce alarm quantities and monitor the results over a period of time within the dashboard.

### Alarms Per Severity

View the total number of alarms and their duration filtered by severity and care unit within a selected time frame.

### Alarms Per Type

Aggregated quantity and duration of alarms per monitoring parameter or ventilator setting.



D-18802-2020

### Alarm Response Times

Cumulated view of alarm response times per alarm severity in a selected unit (hospital, care unit or bed).

### Alarm Distribution

Insights into distribution and trends of six chosen alarms of the hospital or a selected unit for two different time spans.

### Alarms Per Bed

Total amount and distribution of alarms for all beds of a hospital or specific beds in a selected timespan.

## Benefits

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### **Generate actionable insights from alarms that have occurred in a facility**

Increase alarm management efficiency and reduce stress for clinical staff and patients by creating a data foundation that helps to optimise systematic process flows, alarm settings and personnel planning. With Alarm History Analytics, you receive transparency on the alarms that have occurred in your facility. Different alarm sources and severities can be analysed to generate actionable insights.

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### **Systematically optimise alarm management processes and staff allocation**

View and compare alarm response times of different hospital units for the different alarm severities in a chosen time frame. This enables you to systematically adapt alarm management processes and staff allocation to ensure SOP compliance.

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### **Tailor the analytics dashboard to suit your needs**

Fit the individual needs with customizable widgets within the dashboard. Data of different time frames, such as a day, week, month or even up to twelve weeks, can be compared. Additionally, the analysed hospital areas can be adapted in a selection per specific bed or per hospital unit.

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### **Dive into the data for in-depth analysis**

For individual reporting purposes or subsequent analysis, the collected data can be exported from Dräger Connect into a spreadsheet. This enables in-depth analysis that can be combined with information from other records to create a complete overview of the situation and the longer-term trends.

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### **Aim to enable reduction of alarms through alarm consultancy**

Our experts can support you in collecting alarm data, analysing data, and implementing strategies to improve alarm management processes and reduce the number of alarms in the unit.

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### **Designed with security and data privacy in mind**

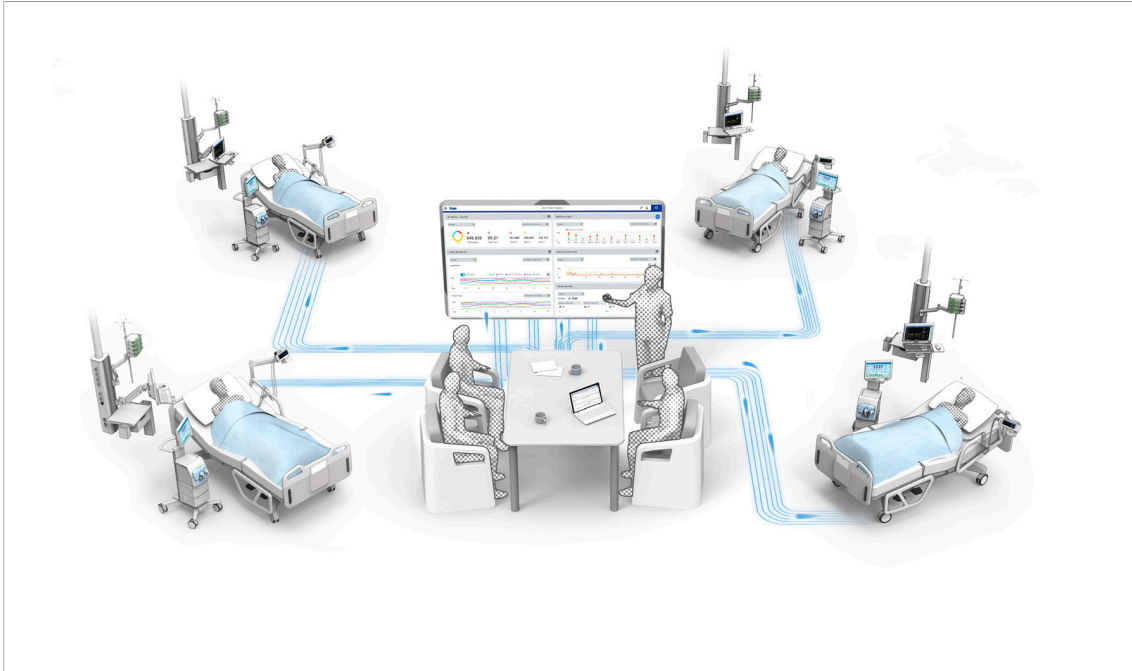
The standardised and easily accessible digital health platform minimises IT administration efforts, allows for fast scalability and ensures professional security management. Only device data are transferred, collected and analysed.

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### **Dräger Connect: A central platform for your digital health services**

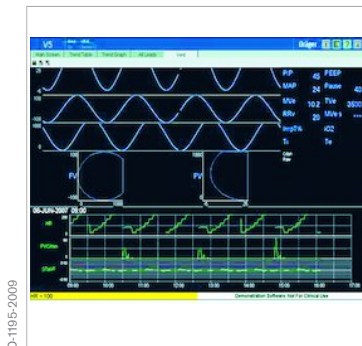
Benefit from additional data-driven services offered on Dräger Connect, our platform for digital health applications. Utilise the potential of the data that your Dräger devices provide and combine it with our application and technical know-how to improve acute care.

## Application of Alarm History Analytics



Alarm history data from connected monitoring systems is collected and visualised for valuable insights for alarm management optimisation.

## System Components



### Infinity® Gateway Suite

Get the most out of your clinical information systems. Integrate data from Dräger monitoring and therapy devices with lab results, entries in electronic medical records and clinical information systems across hospital departments. Infinity® Gateway applications, interfaces and developer tools enable you to exchange information for a more comprehensive view of your patients.

## System Components



D-30735-2017

### Infinity® Acute Care System

Transform your clinical workflow with Infinity® Acute Care System. Its multiparameter monitor integrates with its networked medical-grade workstation, giving you real-time vital signs, access to clinical hospital systems and data management applications for a comprehensive range of patient information and powerful analysis tools at the point-of-care.



MT-8850-2006

### Infinity® Delta

With the Delta multiparameter monitor, you can continuously monitor adult, pediatric and neonatal patients both at the bedside and on transport – eliminating the need for separate transport monitors. Supports all patient acuity levels hospital-wide.



MT-1105-2007

### Infinity® Omega Solution

This two-screen solution provides access to images, lab results and other clinical data, while displaying real-time vital signs data at the point of care on a 20" touchscreen. Bedside/transport monitor continuously monitors patient during transport and at the bedside.



D-19731-2009

### Infinity® M300

The Infinity® M300 provides continuous surveillance of telemetry patients using the hospital's existing WiFi network. The compact size supports patient mobility while the integrated color screen continuously displays patient vital signs and waveforms. In addition, the M300 produces visible and audible alarms to alert you to changes in your patient's condition.

## System Components



D-23347-2017

### Infinity® M300+

The Infinity® M300+ provides continuous surveillance of telemetry patients using the hospital's existing WiFi network. The compact size supports patient mobility while the integrated color screen continuously displays patient vital signs and waveforms. In addition, the M300+ produces visible and audible alarms to alert you to changes in your patient's condition.

## Related Products



D-18803-2020

### Gas Consumption 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.



D-6442-2018

### Mobile Patient Watch

Your access to patient information, anytime, anywhere. With Mobile Patient Watch, you can access a patient's monitoring and therapy device data on the Infinity Network using standard web browsers. View near-realtime monitoring waveforms and respiratory data from a patient's Infinity monitor and integrated ventilator or anesthesia workstation on a web-enabled mobile phone or desktop computer. Network authentication protects the data source and keeps patient information safe.

## Technical Data

### PC Device Requirements for Web-based Application

Desktop/Laptop hardware	Full HD screen (1920 x 1080 pixels) recommended for best visual performance
Desktop/Laptop operating systems	Windows 7 or higher
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

### Infinity® Gateway Server Platform Requirements\*

Infinity® Gateway Server Software	Version VF7.2 or higher
License Options required for Alarm History Analytics	Patient Watch License, Alarm History Database
Operating system	Windows® Server® 2008 R2 64-bit Enterprise or Windows® Server® 2008 R2 SP1 or 64-bit Windows® 7 Enterprise IIS 7.5
CPU	Adobe® Reader® 8 or 9 Pentium® 4 or equivalent; 2 GHz or more
Storage	60 GB minimum
Memory	1 GB RAM minimum
I/O	Minimum 4x USB 2 with one dedicated to Dräger software license key
Video	1024 x 768 or higher, 256 or more colors
Network	Dual 10/100 Base T PCI bus Ethernet adapters (for connection to Infinity® Network and customer/hospital network)
Drive	CD-R or DVD+/-R drive
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

\* Limit of 55 monitored beds per Infinity® Gateway Server installation.

### Additional Customer Infrastructure Requirements

Internet Connection	Internet connection is required to establish secured VPN Tunnel to Draeger for Alarm Data Transfer and Remote Access (optional)
VPN Connection	VPN Tunnel via Draeger VPN Client or Site-To-Site Connection using ServiceConnect® Remote Data Connection (RDC) infrastructure
Data Transfer Tool	Draeger Alarm Transmitter Tool needs to be installed on Infinity Gateway Server to transfer the alarm data to the Web-based application
RDC Service Agent	RDC Service Agent is installed on the Infinity Gateway Server to monitor system load (optional) - Java JRE 32bit Version 8 or higher is required

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## Notes

## Notes

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