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Infinity® CentralStation Wide Patient Monitoring Solution

Viewing comprehensive real-time and retrospective clinical data supports you in making effective care decisions for your patients. Infinity ® CentralStation Wide brings hemodynamic vital signs together with values from interfaced patient monitors, ventilators, and anesthesia devices. The Infinity ® CentralStation Wide can also be used as a remote alarm annunciator for external devices such as ventilators.

Dräger

Technology for Life

Infinity® CentralStation Wide

Display real-time waveforms, parameters and alarm status from as many as 64 Infinity® bedside and patient-worn monitors: 32 across two screens, and 32 more in Surveillance Mode

Set up a single widescreen display 21.5 in (546 mm), or dual displays, and a pair of speakers. Add options, including touchscreen interface, a keyboard and mouse

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User selectable options:

- Report preview
- Scheduled patient shift reports
- Collated reports
- Day/night alarm volume
- Alarm patterns – Independent volume setting for each alarm grade
- Customizable main screen featuring grouped parameter boxes, and configurable beds from 1 to 16 per display

Integrate data and alarms from Dräger's latest generation ventilators, anesthesia machines and patient monitoring systems

Benefits

Customizable main screen

Infinity CentralStation Wide provides the ability to configure the main screen for as few as one and as many as 16 patients per display when split screen is enabled. It includes the ability to configure up to 25 templates to allow for customized patient parameter orders from the bedside. The patient parameters can also be customized on individual viewports when specialized patient monitoring is required.

Event and full disclosure

Infinity CentralStation Wide provides two hours of event and full disclosure, standard. For more complex monitoring needs, choose expanded capability, which provides up to 120 hours of event and full disclosure with continuous storage for up to 16 waveforms as well as 1,000 arrhythmia or alarm events per patient. The ECG calipers, included in the toolset, provide support to make analysis easier.

ST segment analysis

Observe ST changes through Infinity CentralStation Wide to identify ischemia. Superimpose stored reference QRS complexes over current complexes to help detect even subtle deviations.

Patient census

Infinity CentralStation Wide can compile and maintain full and event disclosure records for patients transferred from one care unit to another. It organizes retrospective information into a comprehensive patient history available where and when you need it. All events are classified and grouped by event type, making it easier to review and assess a patient's response to treatment. Arrhythmia events are detected by Dräger patient monitors with multi-lead Arrhythmia Classification Expert (ACE®) algorithm.

Infinity® VentCentral®

The VentCentral application gathers ventilation and hemodynamic data useful for analyzing a patient's respiratory condition and the effects of therapy. It provides ventilator settings, respiratory waveforms and parameters, flow-volume and pressure-volume loops, laboratory data, and trends.

12-Lead rest ECG analysis

Infinity CentralStation Wide generates diagnostic 12-lead reports when connected to Infinity monitors capturing 12 leads of ECG. Measurements and interpretations are based on the Glasgow Interpretive ECG algorithm for pediatric and adult patients. This proven algorithm considers patient age, gender, race, and medical and clinical classification, providing accurate interpretation to support clinical decision-making.

Full disclosure ECG export

Infinity CentralStation Wide supports the export of non-diagnostic ECG waveforms (up to 24 hours, including 12-lead) to third party devices for permanent storage, further analysis and reporting.

Trend display

Infinity CentralStation Wide stores up to 120 hours of trends and is able to present them in either a graphical and tabular format. Automatic scaling provides support in identifying even slight variations, providing visibility into a patient's condition and progression over time. This can help with early intervention based on clinical interpretation.

Patient reports

Infinity CentralStation Wide integrated reporting option allows clinicians to generate reports such as trend, waves strip, patient status, shift, event, and more in electronic PDF format. Scheduled reports can be configured and collated for each patient to coincide with nurse's shifts, providing clinicians with access for data review.

Expanded network functionality

The ICS offers integrated cybersecurity measures that help keep your device and patient data safe. With the implementation of features such as wireless encryption, user authentication and data integrity, you can ensure a secure exchange of patient data between the Infinity CentralStation Wide and the Infinity® M300 and M300+.

Technical Data

CENTRAL PROCESSING UNIT (CPU)	
Processor	Intel®
Storage	8 GB RAM, DVD-RW/CD-RW 1x 1TB HD (standard) 1x 1TB HD (optional for RAID DB) 1x 256 GB SSD (standard) 1x 256 GB SSD (optional for RAID OS)
Disk array	SATA RAID 1 (optional for operating system and/or database)
Software updates	DVD-ROM
Connections	6x USB (1 front, 5 rear), 2x RJ45 LAN connection
Network connectivity	Infinity® Network
Video output	1x DVI graphics connection 2x DisplayPort connector
Audio output	External (USB or analog) and internal (backup) speakers standard
Alarm grades	Low, Medium, High: audible and visual indications
Alarm pattern	Infinity®, IEC fast (default), IEC slow (IEC tones with selectable cardiac or alternate tone), or a combination of both
Patients per CPU	Up to 32 patients using two displays up to 16 patients using one display Up to 32 additional patients in surveillance (background) mode – excluding Infinity M300/M300+

Physical Specifications	
Size (H x W x D)	3.5 x 12.8 x 12.7 in (8.8 x 32.5 x 32.4 cm)
Weight	10.14 lb (4.6 kg)

Electrical Specifications	
Average power consumption (typical)	115 / 230 V 0.3 / 0.2 A
BTU output	116 BTU/hr

Environmental Specifications	
Cooling	Processor cooled by fan/heatsink Chassis cooling by 80 mm fan Power supply cooled by dedicated fan
Temperature range	Operating: 41 °F to 104 °F (5 °C to 40 °C) Storage: -4 °F to 140 °F (-20 °C to 60 °C)
Altitude (atmospheric pressure)	Operating: 700 to 1100 hPa Storage: 500 to 1100 hPa
Humidity (non-condensing)	Operating RH: 10% to 95% Storage RH: 10% to 95%
Acoustic noise	< 46 dBA at 1 meter

User Controls	
Input	USB-compatible keyboard, and USB-compatible optical mouse are provided in country-specific kit Optional Dräger-supplied touchscreens available

Standards/Compliances
Electrical safety IEC 62368-1 /UL 62368-1
EMC EN/IEC 55032 / CISPR 32 / CISPR 22 / CISPR 24
IEC 60601-1-2 Edition 4.1

Technical Data

DISPLAYS	
Type	TFT active matrix LCD, hard-coated
Display size	Support for 21.5 in (546.1 mm) widescreen or 22 in (558.8 mm) widescreen
Input	DVI-D / 15 pin D-Sub VGA or HDMI
Active display area (H x W)	18.8 x 10.6 in (477 x 268 mm)
Touchscreen (optional)	Resistive touch technology, USB controller
Native resolution	1920 x 1080
Viewing angle (H x V)	178° x 178°

Physical Specifications	
Size (H x W x D)	14.9 x 20.2 x 7.1 in (378 x 525.3 x 180 mm)
Weight	15.87 lb (7.2 kg)
VESA mount	3.9 x 3.9 in (100 x 100 mm)

Electrical Specifications	
Power consumption	< 50 W
Power input	100 to 240 VAC, 50/60 Hz

Environmental Specifications	
Temperature range	Operating: 41 °F to 104 °F (5 °C to 40 °C) Storage: 14 °F to 140 °F(-10 °C to 60 °C)

Standards/Compliance

FCC, CE, RoHS, EAC
Electrical Safety: IEC 62368-1/ UL 62368-1; CSA C22.2 62368-1
EMC: EN 55024 (CISPR 24), EN55032 (CISPR32)
IEC 60601-1-2 Edition 4.1

Technical Data

UNINTERRUPTIBLE POWER SUPPLY (620 VA, 120 V, 220 V)	
Uninterruptible power supply is required for continuous operation during brief power losses of power, and to protect system from power line disturbances.	
Output connections	120 V: (4) NEMA 5 – 15 R 230 V: (1) IEC 320 C13 (3) IEC 320 C13 (2) IEC jumpers

Physical Specifications	
Size (H x W x D)	6.6 x 4.7 x 14.5 in (168 x 119 x 368 mm)
Weight	27 lbs (12.3 kg)

Electrical Specifications	
Waveform type	Stepped approximation to a sine wave
Input voltage	For 120 V UPS Nominal input voltage: 120 V Input voltage range for main operations: 82 – 144 V For 230 V UPS Nominal input voltage: 230 V Input voltage range for main operations: 195 – 265 V
Input frequency (Hz)	50 to 60 Hz ±3% (auto sensing)
Surge energy rating	120 V: 412 joules 230 V: 320 joules
Battery recharge	5.5 hours, typical
Back-up time	15.7/5.5 minutes (half/full loaded)
Internal batteries	Maintenance free lead-acid battery with suspended electrolyte–leakproof
Indicators	LED for replace battery, overload, on battery

Environmental Specifications	
Max total output power	390W / 6A
Max input power	10A
Audible alarm	Alarm when on
Battery	Distinctive low battery
Alarm	Overload continuous tone alarm
Temperature range	Operating: 32 °F to 104 °F (0 °C to 40 °C) Storage: 5 °F to 113 °F (-15 °C to 45 °C)
Altitude	Operating: 0 to 3,000 m Storage: 0 to 15,000 m
Operating relative humidity	0 to 95%
Audible noise	At 1 meter from surface of unit 45.0 dBA
Online thermal dissipation	70 BTU/hr

Standards/Compliances
120 V: CSA, FCC Part 15 Class A, UL 1778
230 V: CE, GOST, VCCI, VDE, RoHS

Notes

Not all products, features, or services are for sale in all countries.
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