Infinity® CentralStation Wide
Patient Monitoring Solution

Viewing comprehensive real-time and retrospective clinical data supports you in making the most effective care decisions for your patients. Infinity® CentralStation Wide brings hemodynamic vital signs together with values from interfaced ventilators and anesthesia devices.

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 (511 mm/22 in), 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
– Day/night alarm volume
– Alarm patterns
– Independent volume setting for each alarm grade

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

Benefits

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, help 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 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 systems for permanent storage, further analysis and reporting.
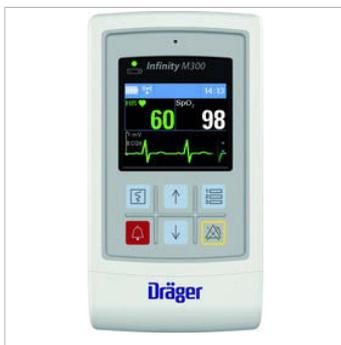
Trend Display

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 helps in identifying even slight variations, providing insights into

Benefits

a patient's condition and progression over time. This can help with early intervention based on clinical interpretation, which may improve outcomes.

Related Products

D-19731-2009

Infinity® M300

Managing the care of ambulatory patients is challenging because you need to balance mobility with patient safety. The innovative Infinity® M300 patient-worn monitor provides continuous surveillance of telemetry patients using the hospital's existing Wi-Fi® network. The unit's color screen and audible alarms let you assess and respond to your patient's status on the spot.

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 128GB SSD (standard)
	1x 128GB 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)
Patients per CPU	32 patients using two displays
	16 patients using one display
	Up to 32 additional patients in Surveillance (background) mode – excluding Infinity M300

Physical Specifications

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

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: 5 °C to 40 °C (41 °F to 104 °F)
	Storage: -20 °C to 60 °C (-4 °F to 140 °F)
Altitude (Atmospheric Pressure)	Operating: 700 – 1100 hPa
	Storage: 500 – 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 60601-1-2 (CISPR 11 Class B)	

DISPLAYS

Type	TFT active matrix LCD, hard-coated
Display size	558.8 mm (22 in) widescreen/will support 508 mm (20 in)

Technical Data

Input	DVI-D / 15 pin D-Sub VGA
Active display area (H x W)	474 x 296 mm (18.6 x 11.7 in)
Touchscreen (optional)	Resistive Touch technology, USB controller
Native resolution	1680 x 1050
Viewing angle (H x V)	178° H x 178° V

Physical Specifications	
Size (H x W x D)	385 x 513 x 180 mm (15.2 x 20.2 x 7.1 in)
Weight	6.6 kg (14.55 lb)
VESA mount	100 x 100 mm (3.9 x 3.9 in)

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

Environmental Specifications	
Temperature range	Operating: 5 °C to 40 °C (41 °F to 104 °F)
	Storage: -20 °C to 60 °C (-4 °F to 140 °F)

Standards/Compliance	
FCC, CE, UL60950-1 (C&US), IEC60950-1, RoHS, EAC	

OPTIONAL UNINTERRUPTIBLE POWER SUPPLY (620 VA, 120 V, 220 V)

Uninterruptible power supply is optional. However, it is recommended for continuous operation during brief loses 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 × W × D)	168 × 119 × 368 mm (6.6 × 4.7 × 14.5 in)
Weight	12.3 kg (27 lbs)

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	
Max Total output power	390W / 6A
Max input power	10A
Audible Alarm	Alarm when on
Battery	Distinctive low battery
Alarm	Overload continuous tone alarm

Technical Data

Temperature range	Operating: 0 ℃ to 40 ℃ (32 ℉ to 104 ℉)
	Storage: -15 ℃ to 45 ℃ (5 ℉ to 113 ℉)
Altitude	Operating: 0 –3,000 m
	Storage: 0 – 15,000 m
Operating Relative Humidity	0 – 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

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