Dräger

D-116120/09

Monitoring and IT Solutions for supporting patient safety and care

INFINITY®
BEDSIDE SOLUTIONS

Dräger. Technology for Life®

D-1170-2009

DISCOUNT CARDIOLOGY
www.discountcardiology.com

Monitoring vital signs is integral to the care of critically ill patients. You need accurate, beat-to-beat information in order to assess the condition of your patients and determine their care paths — whether you're helping a multi-trauma victim, performing complex surgery, or caring for a fragile neonate.

At Dräger, we offer a broad spectrum of Infinity® Monitoring and IT Solutions for the bedside – including innovative widescreen solutions that bring comprehensive patient information to the point of care. We offer portable monitors that move seamlessly with the patient from bedside to transport, as well as bedside systems that are optimized for stationary monitoring.

Infinity Monitoring and IT Solutions are designed to deliver both clinical and business benefits. Our monitors can be networked from the bedside to the HIS and beyond via the Infinity Network. We even offer a networking solution that allows you to move life-critical patient data on your existing hospital network – rather than on a separate network. And because many Infinity bedside monitors share Dräger accessories and pods, they can help reduce your inventory of monitoring components and supplies.

There is an Infinity monitor for all patient types and acuity levels to support every department in your hospital. So whether you're looking for monitors for a small outpatient clinic or a large hospital complex, look to Dräger.

Part of a comprehensive solution
Infinity bedside monitors are part of a totally integrated solution from Dräger, a global company with more than 100 years of experience in designing medical devices for seriously ill patients.

Our Monitoring and IT Solutions include patient monitors for the bedside, in-hospital transport and telemetry. We also offer Web-based solutions for streamlining workflow and providing remote access, seamless wired and wireless networking — including a shared infrastructure option — and services to protect your investment. Our open platform gives you the flexibility to deal with changing hospital needs, while protecting your investment now and in the future.

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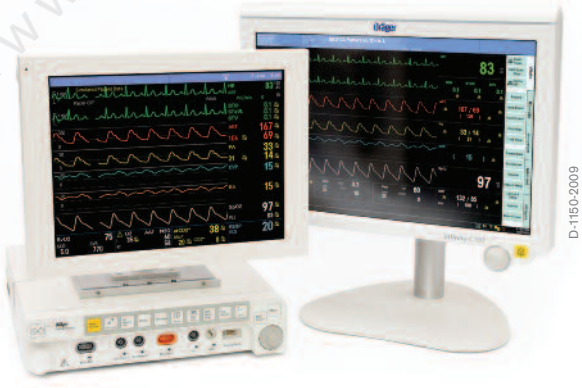
Hospital-wide Solutions

MT-1357-2007

For the point of care...

MT-1105-2007



D-1150-2009

Infinity Omega solution
Dräger's dual-screen patient monitoring solution that integrates an Infinity Delta or Delta XL monitor and docking station with a widescreen Infinity C700 for IT workstation and Infinity Explorer software – bringing IT applications to the bedside, while supporting hospital-wide transport

Infinity Omega-S solution
Dräger's patient monitoring solution that integrates an Infinity Kappa monitor with a widescreen Infinity C700 for IT workstation and Infinity Explorer software – bringing IT applications to the point of care

(Shown with auxiliary medical-grade display)

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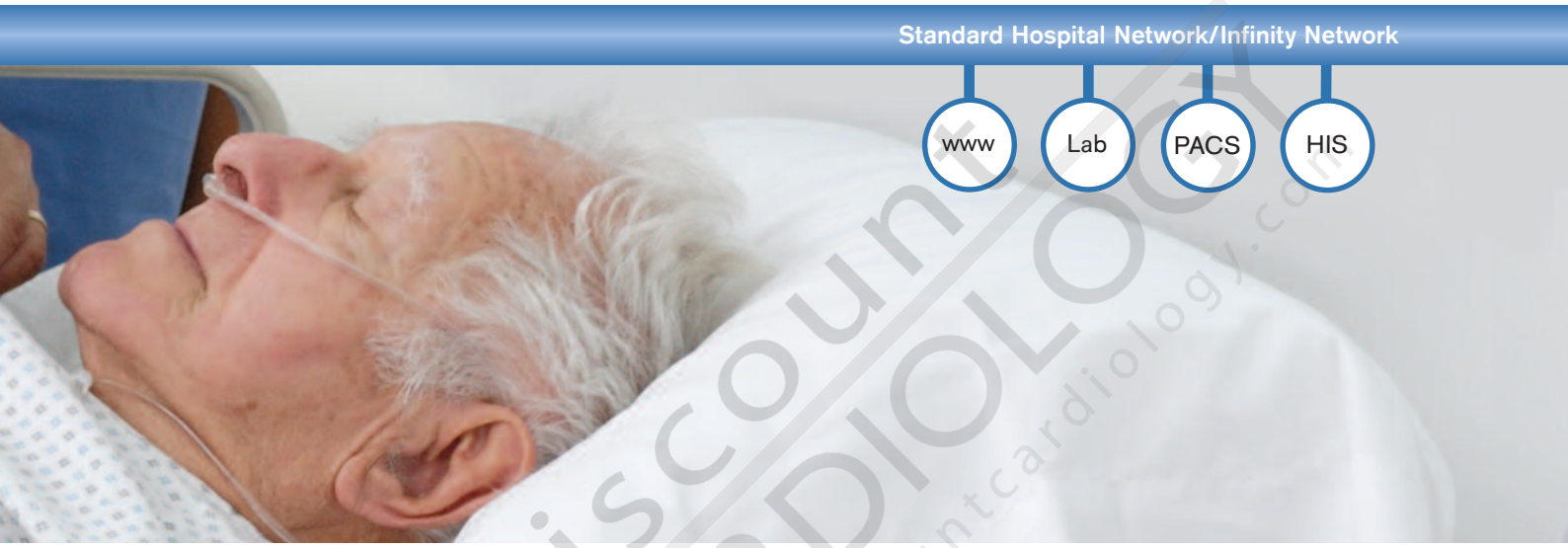
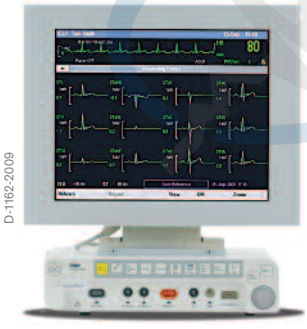


...at the bedside


D-1162-2009

Infinity Kappa
Stationary monitor for mid- to high-acuity patient environments; supports standard medical-grade displays;
4 channels (up to 8 optional)

(Shown with auxiliary medical-grade display)

D-1152-2009

Infinity Delta XL
High-acuity bedside/transport monitor with 12.2" (310 mm) color display;
6 channels (8 optional)

Infinity Delta
High-acuity bedside/transport monitor with 10.4" (264 mm) color display;
5 channels (up to 8 optional)

D-1167-2009

Infinity Gamma X XL
Portable bedside/transport monitor with 10.4" (264 mm) color display;
5 channels (6 optional)

Infinity Gamma XL
Portable bedside/transport monitor with 8.4" (210 mm) color display;
4 channels

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...for in-hospital transport...

Integrated transport — eliminates the need for separate transport monitors

Infinity Delta and Gamma series monitors incorporate Dräger's patented Pick and Go® technology, which enables these bedside monitors to double as transport monitors within the hospital. Infinity monitors provide seamless wired-to-wireless networking, so surveillance is continuous. There's no waiting for a transport monitor. No disconnection or reconnection of leads. No gaps in monitoring or data acquisition. As a result, these monitors allow you to comply with the portion of the Society of Critical Care Medicine's patient transport guidelines* that states, "All critically ill patients undergoing transport receive the same level of basic physiologic monitoring during transport as they had in the intensive care unit."

For more information, see our In-hospital Transport Solutions brochure.

Continuously displays all patient information on transport, eliminating the need to detach and reattach patient cables

Enables bedside monitor to double as transport monitor

Automatically displays parameters specific to each care unit when docked because configuration data is stored in the docking station

* Source: Society of Critical Care Medicine: Guidelines for the Inter-and Intra-hospital Transport of Critically Ill Patients: J.Warren, MD. et al. 2004

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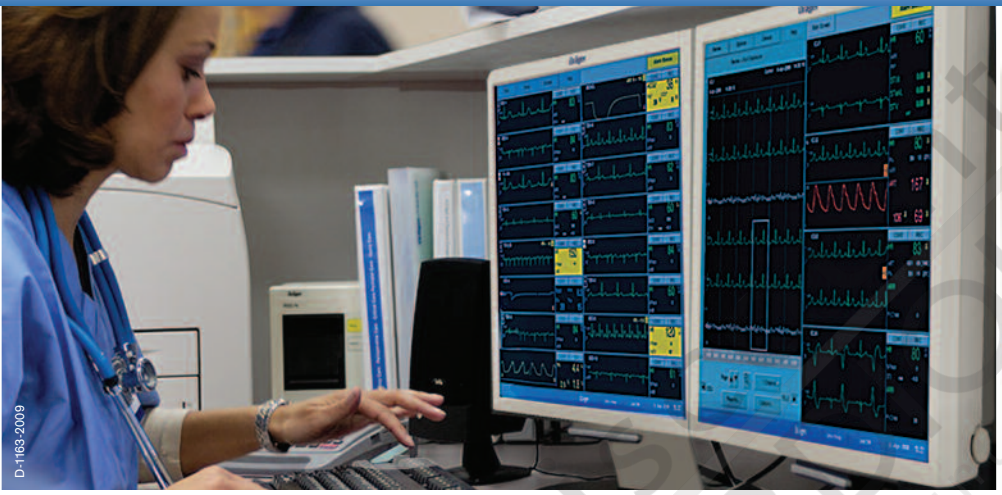

...and for central and remote access

Infinity monitors can be networked, moving seamlessly from wired at the bedside to wireless for easy patient transport. Patient information collected at the bedside and on transport flows through the Infinity Network to the Infinity CentralStation for central surveillance and to the Innovian® clinical information system for automatic charting.

Take advantage of Infinity OneNet, an innovative shared infrastructure approach that can move patient monitoring data securely on your existing hospital-wide wired and wireless networks, rather than requiring a separate network.

At Dräger, we're committed to helping you improve patient care by giving you easy access to the information you need to make decisions.

With our Infinity Symphony Suite, you can remotely access patient information stored at the Infinity CentralStation. Here's how it works: you can sit at a computer screen in an office at the hospital and check a client's blood pressure. Pull up another patient's vital signs and review their heart rate history over the last 72 hours. Or look at live medical information of a patient in the ICU. If you are paged and need fast access to a patient's data, that information is as close as your hospital network.

With Dräger, the information you need can come to you.

Ergonomic and modular

MT-4907-2005

Supporting the monitoring needs of your patients hospital-wide

Dräger's patient monitors have a flexible modular design: Standard parameters are built into the monitor, while special parameters are available via ergonomic plug-in pods. This design enables Infinity monitors to support both department-specific and hospital-wide monitoring requirements. As a result, one of the Infinity monitors can support all care settings and patient types – from neonatal and pediatric to adult.

Certain pods are designed for the needs of a specific unit. For example, the NeoMed and tpO_2 / $tpCO_2$ pods support the Neonatal Intensive Care Unit's challenges using noninvasive methods.

The Infinity BISx® pod allows clinicians to track patient status during induction, maintenance, and emergence from sedation. The Trident® NMT pod supplies the anesthesiologist with objective information about the patient's state of relaxation. This information is valuable for measuring the effects of neuromuscular blocking agents critical in the operating room.

The MultiMed12® pod, in conjunction with the Infinity CentralStation, provides real-time, continuous ischemia monitoring from the moment a patient is admitted to the ER, and continues to the Cath Lab, CCU, Recovery Room and Post-Op Cardiac Care Unit.

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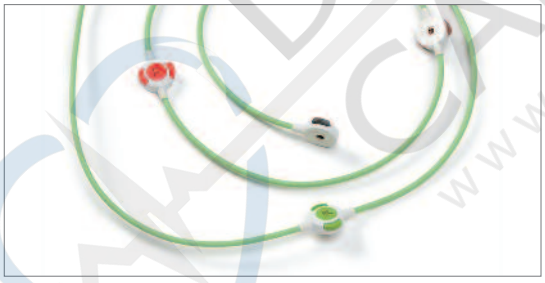
The $etCO_2$ Microstream® pod provides uninterrupted monitoring with minimal occlusion, even in high humidity environments such as the Emergency Department and Intensive Care Unit.

To reduce cable clutter at the point of care, our HemoMed™ pod contains up to four invasive pressures with a single cable to the monitor and lets you zero pressures right from the pod.

Accessories such as MonoLead®, our one-wire ECG lead set, further reduce the 'spaghetti' between the monitor and patient. Infinity monitors have a common user interface, so less training is required and working in multiple care units can be easier for your staff.



MT-9437-2004

The MonoLead ECG lead-wire set reduces tangles and cable clutter at the bedside.

ALGORITHMS IMPROVE DATA ACCURACY, SUPPORT PATIENT SAFETY

The more accurate the monitoring data, the better care you can provide. That's why a strong R&D focus of Dräger is on algorithms for Infinity patient monitors. Our ACE® multi-lead algorithm detects up to 12 different arrhythmias with an unprecedented degree of accuracy* – helping you increase vigilance. Dräger's multi-lead ECG with real-time monitoring, ST segment analysis, and patented pacer detection algorithms help you make evidence-based decisions.

Our motion-tolerant NBP algorithm, which uses a step-deflation method, helps reduce false alarms. Infinity monitors also provide versatile cardiac monitoring through our continuous, derived 12-lead ECG with TruST®, which utilizes only 6 leads with standard electrode placement, as well as traditional 12-lead (10-wire) monitoring.

* Dräger publishes ACE results tested against the MIT-BIH and American Heart Association database.

See more.

Know more.

D-11771-2009

Infinity Omega Solutions:
Comprehensive information at the point of care

If you want access to networked information at the bedside, discover Infinity Omega – Dräger's forward-looking solutions that bring comprehensive clinical information to the point of care, together with real-time vital signs data. This synergy puts the information you need at your fingertips – which can support decision making, save time spent looking for information, and help reduce the potential for medical error.

- Vitals
- Remote View
- PDMS
- Internet
- Images

INFINITY OMEGA: INCORPORATES SEAMLESS HOSPITAL-WIDE TRANSPORT

Dräger's dual-screen patient monitoring solution, Infinity Omega integrates an Infinity Delta or Delta XL monitor and docking station with an Infinity C700 for IT workstation and Infinity Explorer software. The Delta/Delta XL provides continuous monitoring at the bedside and on transport. The Infinity Docking Station provides power, network connectivity and departmental screen configuration preferences while the monitor is docked in that unit. The Infinity C700 for IT displays integrated patient data at the bedside on a 20" touchscreen color display. Infinity Explorer software enables two-way communication between the Delta and the Infinity C700 for IT.

INFINITY OMEGA-S: DESIGNED FOR STATIONARY MONITORING AT THE POINT OF CARE

Optimized for fixed monitoring in environments such as the OR, Infinity Omega-S integrates an Infinity Kappa monitor and auxiliary display with an Infinity C700 for IT workstation and Infinity Explorer software. The Kappa provides continuous monitoring at the bedside and the Infinity C700 for IT displays integrated patient data at the bedside on a 20" touchscreen color display. Infinity Explorer software enables two-way communication between the Kappa and the Infinity C700 for IT.

SEE THE BIG PICTURE

Regardless of which version you choose, Infinity Omega solutions bring together patient data from diverse sources – such as vital signs, lab data, DICOM images, and Web-based applications, so you can see X-rays, scans and MRIs – and displays it on one screen, together with patient-centric applications such as patient data management systems.

The award-winning* Infinity C700 for IT is a medical-grade workstation that combines an industry-standard CPU with a 20" wide touch-screen color display that makes information easy to see at all angles, even from a distance. When combined with the Vitals Tab capability of Infinity Explorer, the Infinity C700 more than doubles the number of parameters and waveforms that you can view on a traditional monitor screen alone. The new fan-free design lowers noise and dust levels, supporting hygienic environments. An optional rotary knob provides navigation in addition to the touchscreen.

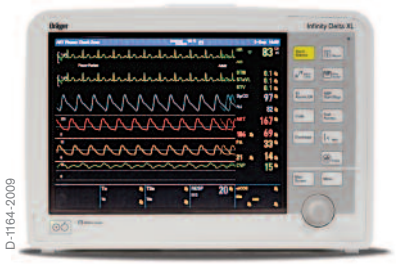
product design award 2009

* The Dräger Infinity C700 received the 2009 Product Design Award from the iF International Forum Design.

Standardization
without compromise

Infinity Delta Series:
High-acuity bedside monitors — that can also go on transport

Finally, all departments can have what they need to support their complete monitoring requirements – all with the same monitor. The Delta and Delta XL are designed to support standardization and process improvement because they can move seamlessly from the bedside, to transport, and back to the bedside – without ever having to disconnect or reconnect your patient.



Infinity Delta XL

Infinity Delta

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HOSPITAL-WIDE STANDARDIZATION

The Infinity Delta series' combination of hardware and software adapts monitoring to the needs of every patient, every care unit, every hospital. You determine your specific requirements, including parameter choices, waveform colors and positions, and alarm limits – either by patient or throughout your unit. Infinity Docking Stations store these settings, so all monitors docked on them will reflect your configuration choices automatically. Because Infinity Delta supports all acute care environments, you can standardize on one monitor hospital-wide.

PARAMETERS THAT SCALE TO THE PATIENT'S NEEDS

Infinity Delta series monitors can display a full set of vital parameters – including 3-, 5-, 6- and 12-lead ECG, respiration, ST segment analysis, etCO_2, BISx, EEG, multiple temperatures, invasive and noninvasive blood pressure and full arrhythmia. They can help improve efficiency with advanced respiratory mechanics measurements, vertical and horizontal cursors, and drug calculations.

Neonatal applications – such as an oxycardio-respirogram (OCRG) with event recall and fiO_2 – support the specific needs of infants. For the Operating Room, there is sophisticated gas analysis with dual agent ID, customizable waveform colors, and MAC calculations for adult and pediatric patients.

D-1169-2009

MT-3130-2009

FLEXIBLE MONITORING TO MEET YOUR NEEDS

Infinity Delta series monitors give you choices. For example, when monitoring etCO_2, simply connect the etCO_2 pod or module. You can take advantage of Masimo SET® technology, the gold standard for motion tolerant pulse oximetry* and known for accuracy during low perfusion. Delta series monitors also support the Infinity Nellcor™ OxiMax™ SmartPod®, which incorporates the latest Nellcor OxiMax low-power pulse oximetry technology.

To add high-acuity parameters, simply plug the high-acuity Infinity pods into the monitor as needed.

* As documented in Masimo's peer reviewed studies located on www.masimo.com.

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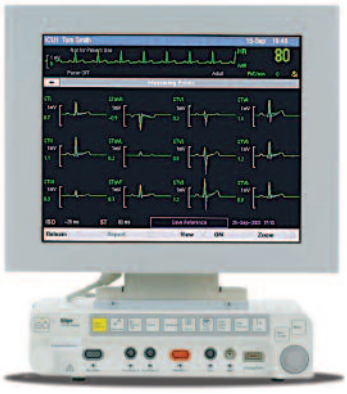
Stationary and stable

Infinity Kappa: meeting your needs for stationary bedside monitoring

In addition to offering monitors that provide in-hospital transport, Dräger also supports your needs for stationary monitoring.

The Infinity Kappa is designed for fixed monitoring at the bedside. The standard monitor includes a CPU base unit that is compatible with a variety of standard medical-grade flat-panel displays. Please contact Dräger regarding specific compatibility questions.



Infinity Kappa
(Shown with standard medical-grade display)

The Infinity Kappa provides comprehensive patient monitoring, with a parameter set that includes multiple-lead ECG, respiration, comprehensive arrhythmia classification, dual temperature, cardiac output, multiple invasive pressures and noninvasive blood pressure. Infinity Kappa has a built-in power supply and Infinity Network card.

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Compact
and lightweight

MT-0784-2007

Infinity Gamma Series: Mid- to low-acuity bedside monitors — that can also go on transport

The Infinity Gamma series is Dräger's line of compact, lightweight monitors for mid- and low-acuity monitoring at the bedside and during transport.

Infinity Gamma series monitors, which includes Infinity Gamma XL and Gamma X XL, pack powerful features and flexibility into a compact, lightweight design. The Gamma line provides ECG, arrhythmia analysis, respiration, SpO_2, $etCO_2$, pulse rate, noninvasive blood pressure (NBP), invasive blood pressure (IBP) and temperature – as well as advanced capabilities such as wireless on demand. Plus, Gamma series monitors give you the flexibility to add new features and software upgrades.

IDEAL FOR MID-ACUITY ENVIRONMENTS

For adult and pediatric patients in the Operating Room, Infinity Gamma series monitors offer features such as a dedicated OR mode. Connect a Scio® Four gas analysis module to display anesthetic agent concentration and values for $etCO_2$, N_2O and O_2.

When surgery is over and you want to continue monitoring $etCO_2$ in Recovery, simply connect the $etCO_2$ pod or module, depending on the Gamma monitor, and choose from mainstream or sidestream monitoring. You can take advantage of Masimo SET technology, the gold standard in motion tolerant pulse oximetry* and known for accuracy during low perfusion. The Gamma X XL monitor also supports the Infinity Nellcor OxiMax SmartPod**, which incorporates the latest Nellcor OxiMax low-power pulse oximetry technology. Or you can use Dräger's OxiSure® SpO_2 technology.

In the NICU, Infinity Gamma series monitors help reduce cable clutter around the incubator with the MultiMed or NeoMed Pod. The NeoMed provides additional value by bringing FiO_2 to the Gamma X XL monitor.

The Gamma series also provides dedicated monitoring modes that tailor algorithms, alarm limits and trend scales to the special needs of your neonatal patients. An oxycardiorespirogram (OCRG) software option for monitoring and documenting apnea events supports neonatal monitoring.

* As documented in Masimo's peer reviewed studies located on www.masimo.com.

Infinity Gamma XL

Infinity Gamma X XL

HEADQUARTERS
Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

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REGION EUROPE CENTRAL AND EUROPE NORTH
Dräger Medical GmbH
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH
Dräger Médical S.A.S.
Parc de Haute Technologie d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

REGION MIDDLE EAST, AFRICA, CENTRAL AND SOUTH AMERICA
Dräger Medical GmbH
Branch Office Dubai
Dubai Healthcare City
P.O. Box 505108
Dubai, United Arab Emirates
Tel + 971 436 24 762
Fax + 971 436 24 761
contactuae@draeger.com

REGION ASIA / PACIFIC
Draeger Medical South East Asia Pte Ltd
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION NORTH AMERICA
Draeger Medical, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA
Tel +1 215 721 5400
Toll-free +1 800 437 2437
Fax +1 215 723 5935
info.usa@draeger.com

Manufacturer:
Draeger Medical Systems, Inc.
Telford, PA 18969-1042, USA
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