



Cogent™

2-in-1 Hemodynamic Monitoring System

Minimally invasive and invasive hemodynamic monitoring technologies in a single, lightweight system with wireless communication

The flexibility you've been asking for in a single customizable monitor

Now you can monitor your patients' hemodynamic status based on their level of acuity, not on the technical limitations of your monitoring system.



Cogent is the only 2-in-1 hemodynamic monitoring system to accept both minimally invasive and invasive inputs, letting you use a single monitor regardless of fluctuations in patient acuity and monitoring requirements.

Minimally Invasive Technologies

With Cogent, you can get hemodynamic and venous oximetry measurements delivered less invasively to help you manage a broader range of patients.

- Continuous cardiac output (CCO), stroke volume (SV), stroke volume variation (SVV), pulse pressure variation (PPV), mean arterial pressure (MAP), and systemic vascular resistance (SVR) from the LiDCO® PulseCO® algorithm and CardioFlo™ sensor
- Accurate central venous oximetry (ScvO₂) from the TriOx®-PICC, the world's only PICC line available with three-wavelength oximetry

Invasive Technologies

Trusted for decades, our advanced sensor and oximetry catheters provide you with real-time access to your patients' hemodynamic status.

- Cardiac output (CO), continuous cardiac output, stroke volume (SV), central venous pressure (CVP), right atrial pressure (RAP), pulmonary artery occlusion pressure (PAOP), and systemic vascular resistance from our line of pulmonary artery catheters (PAC) and central venous catheters (CVC)
- Accurate central venous oximetry (ScvO₂ and SvO₂) from TriOx-CVC and TriOx-PAC catheters



Wireless communication for maximum viewing flexibility: The Cogent system's base unit communicates wirelessly with the detachable display to allow you to view hemodynamic data outside a patient's room, facilitating clinical collaboration.

The freedom to monitor patients where and how you choose



Hand-Held Display

Monitor patient status away from the bedside with Cogent's detachable hand-held display. Communicates wirelessly with base unit at a distance of up to 50 feet.



Pole-Mounted Options

Reduce clutter at the head of the bed by mounting the display on an IV pole for convenient viewing. Communicate to the base unit via wired or wireless connections.



Single Docked Unit

Bring everything together by docking the display and base as a single unit. Multiple mounting options include roll stand, IV pole, and swing arm via available GCX® mounts.

One monitor to
learn, connect, and manage



The one monitoring system to choose for your most critical hemodynamic monitoring needs

From the OR, to the PACU, to the ICU, the Cogent 2-in-1 hemodynamic monitoring system is the only one to help you manage your patients' changing acuity levels and monitoring needs on a single monitoring platform by supplying both minimally invasive and invasive measurements.



One monitor and a consistent user interface for both minimally invasive and invasive measurements allows you to reduce training time and minimize user interpretation errors.



One monitor to connect with hospital information systems using industry-standard HL7[®] information exchange standards helps streamline IT integration efforts.



One monitor for minimally invasive and invasive monitoring helps avoid cable management confusion that comes with using multiple systems.



One monitor to connect to a patient's bedside monitor for data transmission and display helps simplify system set up.

Customize the way you display patient data based on your specific clinical need

Instantly toggle between multiple user-configured full-color screens

With the Cogent system's vibrant, full-color, touch screen display, it's easy to choose the data display format you need, when you need it.

The fully configurable display allows you to choose the number of parameters you want to display and the graphical format in which you want to display them, whether you want to monitor trends over time for up to four different parameters, want to see the various hemodynamic parameters in their physiological context, or see real-time STAT values for a patient coming off bypass.

And as the only hemodynamic monitoring system to provide both minimally invasive and invasive measurements on the same monitor, you get a consistent presentation of the data no matter which monitoring technology you choose.

Trend Screen

Displays up to four primary color-coded measured parameters from 2 – 48 hours including event markers for interventions and treatments.

Physiology Screen

Integrates continuous updates of key measured parameters giving a visual index of the hemodynamic status and the relationship between oxygenation, flow, and pressure throughout the hemodynamic circuit.

4-Parameter Dashboard

Display up to four large color-coded primary parameters in a dashboard style with individual parameter gauges for viewing current measured value relative to alarm limits.

STAT Value Screen

Dynamically displays up to three primary parameters in numeric trend and updates every ten seconds allowing for rapid assessment of a patient's response to treatment.

Bivariate Plot Screen

Allows two parameters to be plotted against each other in an "optimal" range while assessing therapies by noting interventions using the on-screen buttons.





Connect to a variety of minimally invasive and invasive monitoring sensors



CardioFlo Minimally Invasive Cardiac Output Sensor

Measure continuous cardiac output using the proven LiDCO PulseCO algorithm.



TriOx-PICC Minimally Invasive Oximetry Catheter

Measure central venous oxygen saturation continuously with the world's first and only PICC with fiber-optic oximetry.



Pulmonary Artery Catheters

Measure cardiac output intermittently and continuously as well as mixed venous oxygen saturation.



Central Venous Oximetry Catheters

Measure central venous oxygen saturation and central venous pressure continuously.

Choose the one system that's right for your most challenging hemodynamic monitoring needs

With minimally invasive and invasive hemodynamic monitoring technologies in a single, lightweight system with wireless communication, the Cogent 2-in-1 hemodynamic monitoring system helps you manage your most challenging patients' changing acuity levels.



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human connections