

EP Combo Combined Hemodynamic and Electrophysiology Monitoring System By Mennen Medical



Combined Excellence for the Interventional Cardiovascular Catheterization Laboratory

The EP Combo system provides a unique, cost-effective, efficient and convenient method for the cardiac catheterization laboratory to provide diagnostic and interventional catheterization procedures. This system is capable of performing such procedures on adult, pediatric, vascular and electrophysiology patients.

Hemodynamic Benefits

The system's new physiological front end, CFE, presents the latest medical technology in a compact, efficient unit, enabling complete integration of all hemodynamic parameters measured in the Cardiac Cath Lab. The CFE includes 12 lead ECG, respiration, cardiac output, SpO2 with signal extraction technology by Masimo, NIBP using the newest CAS ND technology and four invasive pressure channels. Doctori feature allows the user to present hemodynamic calculations such as cardiac output curves, valve areas and re-analysis of pressure waveforms on the procedure room waveform monitor.

Speed and Reliability

The Sun designed workstation allows for increased processing speeds, multi-tasking, multi-user functionality, background printing, importing, exporting and an unmatched 36,000 hour MTBF computing system.

Tailored Settings

The EP Combo system allows the user to define specific parameters such as O2 consumption calculation by user-defined BSA factor and valve area formula calculations. In addition, the system offers both the American (lbs. and in.) and international (metric) units for height and weight values.

Flexibility

Complete flexibility highlights the features of the EP Combo system with dual monitor system design, either console or cart mounted. In addition, optional software packages including Pediatrics and Peripheral capability with a comprehensive set of diagrams are available for each feature set.

Convenient Graphics

The EP Combo system allows graphic charting of vital signs at user defined time intervals for NIBP and Invasive BP, plus heart rate, respiration rate and temperature. This provides an easy and effective view of the patient's vital signs for optimal patient care. The device enables user defined graphic representation of the Stenosis in both the coronary anatomy and peripheral vascular anatomy.



Customized Documentation

This advanced system provides a specifically designed module for PCI documentation, including charting, device usage, specific site identification as well as an auto timer for inflation time and pressure applied during intervention. This provides a quick, easy and complete summary of the intervention and devices used during the procedure. A comprehensive final report is then generated in Microsoft Word enabling easy access to customer changes that may be required. This comprehensive report includes all data and procedure notes, improving efficiency and saving valuable staff time

Additional Product Highlights:

Peripheral image set to provide hemodynamic analysis and patient documentation on all peripheral procedures (Optional)

HL7 inbound ADT interface for patient demographics (optional)

HL7/XML Export feature (Optional)

Display and calculation of dp/dt Waveform

Barcode system (Optional)

Custom diagram editing

PC notes editor

Password protected WS notes

CO Thermodilution support for Edwards CO-SET catheters of 5,6 and 8 Fr and BD CCS CRITHCAT

C-SET and Bath catheters of 5,7 and 7.5 French size

BSA displayed on heart diagram

Automatic restore of results on the heart diagram

Archive and restore on DVD or network path

PCI documentation for all performed interventions:

All charted data included in final report

Comments section for specific user defined documentation

Electrophysiology Benefits

This EP Combo system is based on proven technology and includes a state-of-the-art Integrated Computerized Cardiac Programmable Stimulator. This innovative stimulator integration incorporates a new standard for cutting edge technology in the industry, positioning it as a unique system in the current EP market.

Signal Clarity

With unmatched clarity, the EP Combo system dual 20" monitors display crisp, clean, easy to visualize traces that facilitate accurate analysis of waveforms. Function driven, one monitor is dedicated to real-time waveforms, while the second is dedicated to analysis and review.

Options

The Dual monitor system design, console or cart mounted, optional remote operator's terminal leads the way in system configurations. Furthermore, the system offers the preference of 32 or 64 channels for Electrophysiology.

Trigger Mode and Template Comparison

A real-time triggered display of consecutive beats helps facilitate the positioning of the interventional catheter and activation timing on a beat-to-beat basis. Template comparison allows the physician to compare pre and post interventional data snapshots and provides easy to use measurement tools to review conduction time and intervals.

Additional Features

Auto Tachycardia Detection

Event Marking and Snapshot Export to Bitmaps

Holter Mode

On Screen Calipers

Free Text Labeling

RF Filtering

Also Available: Multiple Interfaces to Ablation RF Generators

