mennen medical

The Forefront of Bedside Patient Monitoring

Mennen Medical's Envoy is a sophisticated, high-end modular bedside patient monitoring system, providing an efficient solution for the varying needs of today's medical institutions. This innovative, upgradeable system is easily adaptable to suit any medical application and patient profile, enabling full connectivity with HIS, laboratories and PACS as well as additional monitors and central stations. It enables over 45 days of full disclosure of 12 leads and ongoing bedside data management. Furthermore, the system's quick keys functions, touch screen operation and PC-based technology make the Envoy a simple, intuitive and user-friendly device, improving staff efficiency and enhancing the clinical environment.

Benefits:

Ease of use: Intuitive operation and functionality, with various preset and customizable monitoring profiles, user-friendly interface design, large sized fonts in a special "big numbers" display and a convenient full color presentation with an optional touch screen.

Quick Keys: Immediate access to functions and routine operations as well as full patient customization.

Versatility: Easily adaptable to match any patient profile.

Bedside Data Management: Distributed computation power, 45 days of true full disclosure (12 leads) on the monitor, numerical charts and trends of up to 90 days and safe storage for every patient.

PC Platform: Ease of service, low cost and short down-time. Long-term clinical monitoring data storage and long-term upgradeability.

Standard Barcode Input: Intuitive and automatic data insert, saving valuable medical staff time and ensuring information reliability.

Events Data & Waveforms Storage: User friendly marking, display and storage of data and events - at the press of a button.

Comprehensive Connectivity: Seamless integration with medical IT systems, standard communication protocols, continuity of patient data, archiving capabilities of patient monitoring data and research tools for analysis of patient's physiological parameters.

Envoy Explorer Software Package: Enables scientific research of patient's data, standard media archiving, data sharing and algorithm development for clinical signal processing.

BP Channels: May use up to 4 dual pressure modules (eight invasive pressures).

Clinical Features

Full Disclosure
Retrieves all ECG leads in full resolution and enables view of all arrhythmias during the entire monitoring period.

Graphical Trend
The trend panel shows graphical trends of up to eight vital signs with an up to one minute resolution. Provides a long-term view of changes in the patient's condition and their direction.

Numerical Chart
The table of numerical values of vital signs can be displayed in up to one minute resolution, including alarms and events marking. The chart format is user-defined and can be configured to suit the needs of each clinical environment.

Arrhythmia Analysis
Enables three optional configurations: none, basic or extended arrhythmia alarms. The ECG waveform is analyzed continuously, based on a dual lead QRS detection algorithm. QRS classification is included in the full disclosure files.

ST Watch
Enables review of ST data as a long-term graphic representation. ST Watch represents changes in the ST trend over time, displays trend presentation of calculated ST parameters and allows morphology comparisons.

ST All-Lead Analysis
Performs simultaneous and continuous ST analysis of all ECG leads with ST alarms.

Data Management
Calculations of Hemodynamic, Respiratory mechanics, Oxygenation and Renal parameters presented as graphical trends and tabular use-defined charts.

HRV
Heart Rate Variability of normal QRS complexes is calculated in the time domain and as a histogram. Results are reported as a numerical chart and graphic trends.

All ECG Lead Display
The "All ECG Leads" key provides temporary all lead display that will automatically revert to the main screen, following a specified time-out period.

Drug Titration and Calculation
Calculates drug concentrate, infusion rates and injection amounts based on clinically specified parameters. All medication charts are linked to full disclosure, overview and trends.

Available Modules

- ECG/Resp 3-5
- ECG/Resp 3-5-6-12
- 2BP & CO/2 Temp
- 2 BP
- 2 Temp
- Cardiac Output/ 2 Temp
- NIBP
- Spo2 Nellcor
- Spo2 Masimo
- Etco2 Oridion Microstream
- Serial interface 1 channel
- Serial interface 3 channels
- Serial Interface devices:
  - Ventilators
  - Anesthesia machines
  - Transcutanuous Gases
  - Continuous Cardiac output and SvO2
- Anesthetia gases
- ECG Telemetry module
- EEG Module
- Spirometry Module
- Recorder
- Laser Printer

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