3915 152nd St NE | Marysville, WA 98271 | 1.800.827.3747

Product Overview

Key Features of the Cardiocap 5 Monitor are:

- Integrated, hemodynamic and airway gas monitor specifically designed for operating and recovery rooms.
- Proven Datex-Ohmeda intuitive user interface, including anesthesia-dedicated menu logic and alarm philosophy, as in all System 5 monitors.
- Small and compact for places where space is at a premium.
- Large numerical values and waveforms provide excellent visibility from a distance.
- Built-in back up battery to handle sudden losses of power.
- Convenient mounting system for roll-stands, wall and anesthesia machine mounts.

Datex-Ohmeda Cardiocap 5 Patient Monitor

Specifications:

General Dimensions:
(W x D x H) 330 x 220 x 300 mm, (13.0 x 8.7 x 11.8 in)

Weight: F-MXG: < 11.2 kg, (24.8 lb)
F-MX: < 10.2 kg, (22.6 lb)

Power: 100-240 VAC ±10%, 60/50 Hz

Back-up battery:
15 min minimum, charging time typically 5h

Graphical trends: 20 min, 1, 2, 4, 6, 8, 10, 12 and 24h
Numerical trends:
All parameters, sampled every 5 min and after NIBP measurement

Alarms: Adjustable high and low limit alarms

Recorder: (optional) Thermal array, 3-channels, paper width 50 mm. Local printing PCL-5 and later compatible laser printers

Screen
Display size and type 10.4 inch LCD active matrix color
Number of traces Up to 6
Display resolution 640 x 480 pixels

ECG
Number of channels 3
Number of leads 3 or 5
ST analysis 3 channels, continuous

Heart rate
Measurement range 30 to 250 beats per min (bpm)
Measurement accuracy ±5% or ±5 bpm, whichever is greater
Pacemaker pulse detection 2 to 500 mV, 0.5 to 2 ms

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Specifications (continued)

Impedance Respiration
Measurement method Measurement uses ECG electrodes to measure the impedance changes as a result of breathing. Measurement range 4 to 120 breaths/min

Pulse Oximetry (SpO_2), Datex Legacy Standard
Plethysmographic waveform/plethysmogram

Measurement method Red and infrared light absorbtion SpO_2

Measurement range
SpO_2 40% to 100%
Pulse rate 30 to 250 bpm

Measurement accuracy, SpO_2
(±1SD) 100% to 80%, ±2 digits,
80% to 50%, ±3 digits,
Below 50%, unspecified
Pulse rate measurement accuracy ±5% or ±5 bpm

Pulse Oximetry (SpO_2), Datex-Ohmeda Enhanced
Datex-Ohmeda enhanced oxygen saturation (N-XOSAT option)
Plethysmographic waveform/plethysmogram

Measurement range, SpO_2 1% to 100%
Pulse rate range 30 to 250 bpm

Measurement accuracy, SpO_2
(±1SD) 100% to 70% ±2 digits or
100% to 70%, ±3 digits under clinical patient motion conditions,
Below 70% unspecified
Pulse rate measurement accuracy ±2% or ±2 bpm (whichever is greater)

Pulse Oximetry (SpO_2), Nellcor
Nellcor® MP404 oxygen saturation technology (N-XN-SAT option)
Plethysmographic waveform/plethysmogram

Measurement range
SpO_2 1% to 100%
Pulse rate 30 to 250 bpm

Measurement accuracy, SpO_2
(±1SD): 100% to 70% ±2 digits to ±3.5 digits depending on sensor,
Below 70% unspecified
Pulse rate measurement accuracy ±3 digits

Non-invasive Blood Pressure (NIBP)
Measurement range
Adult 25 to 260 mmHg
Child 25 to 195 mmHg
Infant 15 to 145 mmHg
Invasive Blood Pressure (InvBP)

Measurement range –40 to 320 mmHg
Measurement accuracy ±5% or ±2 mmHg
Transducer sensitivity 5 µV/V/mmHg, 5 Vdc, max 20 mA
PCWP (Pulmonary Capillary Wedge Pressure)

Temperature
Measurement range 10° to 45°C, (50° to 113°F)
Probe type Compatible with Datex-Ohmeda probes only
Measurement accuracy 25° to 45.0°C: +/- 0.1°C,
(77° to 113°F: +/- 0.2°F)
10° to 24.9°C: +/- 0.2°C,
(50° to 76.8°F: +/- 0.4°F)

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Datex-Ohmeda® CardioCap 5 Patient Monitor

Specifications Continued

Airway Gases
Measurement method side stream
Sampling rate 200 ml/min
Measurement range and accuracy CO_2 0 to 15 vol%, ±(0.2 vol% + 2 % of reading) O_2 0 to 100 vol%, ±(1 vol% + 2 % of reading)
N_2O 0 to 100 vol%, ±(2 vol% + 2 % of reading)
Hal, Iso, Enf 0 to 6 vol%, ±0.2 vol%
Sevoflurane 0 to 8 vol%, ±0.2 vol%
Desflurane 0 to 20 vol% for 0 to 5 vol%, ±0.2 vol% for 5 to 10 vol%, ±0.5 vol% for 10 to 20 vol%, ±1.0 vol%
Identification threshold 0.15 vol%

Respiration from CO_2
Breath detection 1 % variation in CO_2
Measurement range 4 to 60 breaths/min

Patient Spirometry™
Measurement range and accuracy** Adult Pediatric
Tidal volume 150 to 2000 ml 15 to 300 ml (±6 % or 30 ml) (±6% or 4 ml)

Minute volume 2 to 20 l/min 0.5 to 5 l/min (±6 %) (±6 %)
Flow 1.5 to 100 l/min 0.25 to 25 l/min

Compliance 4 to 100 4 to 100ml/cmH_2O ml/cmH_2O
Airway resistance 0 to 40 0 to 40 cmH_2O/l/sec cmH_2O/l/sec
Airway pressure –20 to 100 –20 to 100 cmH_2O cmH_2O (±1 cmH_2O) (not applicable)
** Typical value

NeuroMuscular Transmission
Stimulation modes Train-of-four, TOF
Double burst (3.3), DBS
Single twitch, ST
50Hz tetanic & post tetanic count, PTC
Stimulus current range supramax 10 to 70 Ma manual 10 to 70 mA (5mA steps)
Stimulus current accuracy 10 % or ±3 mA, whichever is greater

Regional block mode (plexus)
Stimulation mode Single twitch
Stimulus current range 0 to 5.0 mA with 0.1 mA steps
Stimulus current accuracy 20% or ±0.3 mA, whichever is greater

Hemodynamic frame, F-MX
Optional built-in measuring parameters:
N-XP Invasive Pressures (2 pressures, and 2nd temperature) 6050-0005-939
N-XNSAT Nellcor compatible SpO_2 6050-0005-916
N-XOSAT Datex-Ohmeda enhanced SpO_2 6050-0005-917

Gas frame, F-MXG
Optional built-in measuring parameters:
N-XP, Invasive Pressures (2 pressures, and 2nd Temp) 6050-0005-940
N-XNSAT, Nellcor compatible SpO_2 6050-0005-916
N-XOSAT, Datex-Ohmeda enhanced SpO_2 6050-0005-917
N-XC, Side Stream CO_2 6050-0005-611
N-XCO, CO_2, N_2O and Patient Oxygen™ 6050-0005-612
N-XCAiO, CO_2, N_2O, O_2, and anesthetic agents with automatic identification 6050-0005-613
N-XV, Patient Spirometry (only with N-XCO or N-XCAiO) 6050-0005-620
N-XNMT, NeuroMuscular Transmission (only with N-XCAiO) 6050-0005-914
No parameter upgrades are available.