

Product Overview

The Datex Ohmeda Cardiocap 5 Monitor is a small footprint bedside monitor with a large 10.4" active matrix color display. It has a proven easy-to-use S/5 user interface and shows up to six waveforms.

It comes standard with color-coded, prioritized alarms, four user-configurable modes for care-specific pre-configurations and a waveform snapshot to store and recall waveform samples for later analysis.

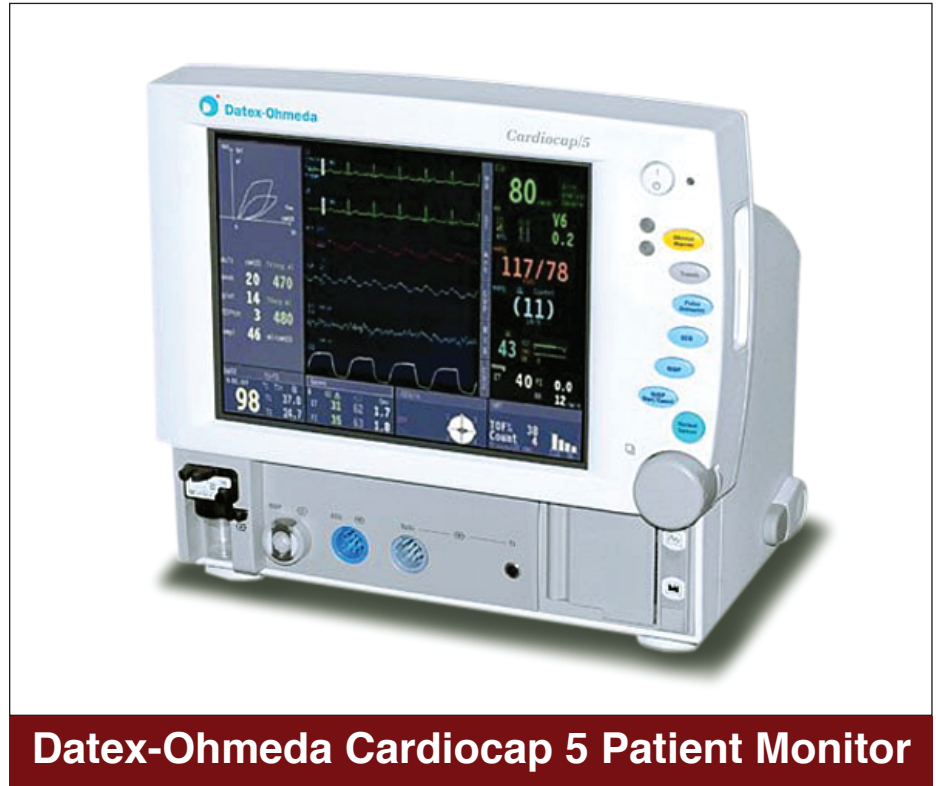
There is on-line help for menu functions as well as 5 or 30-minute minitrends continuously on screen for a quick historical view. The Datex Ohmeda Cardiocap 5 Monitor shows 24-hour graphical trends of all parameters with adjustable display brightness. It has an Optional built-in, three-channel thermal array recorder. One of the unique features is the built-in backup battery that can handle sudden power down situations.

The Datex Ohmeda Cardiocap 5 Monitor can be wall mounted or can be attached to a roll stand available separately for best workplace ergonomics. The Datex Ohmeda Cardiocap 5 Monitor is compatible with the Datex-Ohmeda S/5 Network and central for monitor-to-monitor communication and centralized viewing.

Features

- 10.4" active matrix color display.
- Integrated, hemodynamic and airway gas monitor specifically designed for operating and recovery rooms
- 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 available for roll-stands, wall and anesthesia machine mounts.

Specifications on next page



Datex-Ohmeda Cardiocap 5 Patient Monitor



Seattle Technology
3915 152nd St NE
Marysville, WA 98271
1.800.827.3747
stsurg.com

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 $\pm 10\%$, 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 $\pm 5\%$ or ± 5 bpm, whichever is greater

Pacemaker pulse detection 2 to 500 mV, 0.5 to 2 ms

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

Specifications continued on next page

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Specifications

Pulse Oximetry:

(SpO₂), Datex Legacy Standard
Plethysmographic waveform/plethysmogram

Measurement Method:

Red and infrared light absorption SpO₂

Measurement Range:

SpO₂ 40% to 100%
Pulse rate 30 to 250 bpm

Measurement Accuracy:

SpO₂ (± 1 SD) 100% to 80%, ± 2 digits,
80% to 50%, ± 3 digits, Below 50%,
unspecified Pulse rate measurement
accuracy $\pm 5\%$ or ± 5 bpm

Pulse Oximetry:

(SpO₂), Datex-Ohmeda Enhanced
Datex-Ohmeda enhanced oxygen saturation
(N-XOSAT option)
Plethysmographic waveform/plethysmogram

Measurement Range:

SpO₂ 1% to 100%
Pulse rate range 30 to 250 bpm

Measurement Accuracy:

SpO₂ (± 1 SD) 100% to 70% ± 2 digits or
100% to 70%, ± 3 digits under clinical patient motion
conditions, Below 70% unspecified

Pulse Rate Measurement Accuracy:

$\pm 2\%$ or ± 2 bpm (whichever is greater)

Pulse Oximetry:

(SpO₂), Nellcor Nellcor® MP404 oxygen saturation
technology (N-XNSAT option)
Plethysmographic waveform/plethysmogram

Measurement Range:

SpO₂ 1% to 100%
Pulse rate 30 to 250 bpm

Measurement Accuracy:

SpO₂ (± 1 SD): 100% to 70% ± 2 digits to ± 3.5 digits
depending on sensor, Below 70% unspecified
Pulse rate measurement accuracy ± 3 digits

Specifications continued on next page

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Specifications

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: $\pm 5\%$ or ± 2 mmHg

Transducer Sensitivity: 5 $\mu\text{V/V/mmHg}$, 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: $\pm 0.1^\circ\text{C}$,

(77° to 113°F: $\pm 0.2^\circ\text{F}$)

10° to 24.9°C: $\pm 0.2^\circ\text{C}$,

(50° to 76.8°F: $\pm 0.4^\circ\text{F}$)

Airway Gases:

Measurement Method Side Stream

Sampling Rate: 200 ml/min

Measurement Range and Accuracy:

CO₂ 0 to 15 vol%,

$\pm(0.2 \text{ vol}\% + 2 \% \text{ of reading})$ O₂ 0 to 100 vol%,

$\pm(1 \text{ vol}\% + 2 \% \text{ of reading})$

N₂O 0 to 100 vol%, $\pm(2 \text{ vol}\% + 2 \% \text{ of reading})$

Hal, Iso, Enf 0 to 6 vol%, $\pm 0.2 \text{ vol}\%$

Sevoflurane: 0 to 8 vol%, $\pm 0.2 \text{ vol}\%$

Desflurane: 0 to 20 vol% for 0 to 5 vol%, $\pm 0.2 \text{ vol}\%$

for 5 to 10 vol%, $\pm 0.5 \text{ vol}\%$ for 10 to 20 vol%, ± 1.0

vol% **Identification threshold:** 0.15 vol%

Respiration from CO₂:

Breath detection 1 % variation in CO₂

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 ($\pm 6\%$ or

30 ml) ($\pm 6\%$ or 4 ml)

Minute Volume

2 to 20 l/min 0.5 to 5 l/min ($\pm 6\%$) ($\pm 6\%$)

Flow 1.5 to 100 l/min 0.25 to 25 l/min

Specifications continued on next page

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Specifications

Compliance:

4 to 100 4 to 100ml/cmH₂O ml/cmH₂O

Airway resistance 0 to 40 0 to 40

cmH₂O//sec cmH₂O// sec

Airway pressure -20 to 100 -20 to 100

cmH₂O cmH₂O (± 1 cmH₂O) (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 SpO₂ 6050-0005-916

N-XOSAT Datex-Ohmeda enhanced SpO₂
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 SpO₂ 6050-0005-916 N-XOSAT, Datex-Ohmeda enhanced SpO₂ 6050-0005-917

N-XC, Side Stream CO₂ 6050-0005-611

N-XCO, CO₂, N₂O and Patient Oxygen™
6050-0005-612

N-XCAiO, CO₂, N₂O, O₂, 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 NXCAiO) 6050-0005-914

No parameter upgrades are available.

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