



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.

## 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



## DATEX-OHMEDA CARDIOCAP 5 PATIENT MONITOR

**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  $\pm$ 5 bpm, whichever is greater  
Pacemaker pulse detection 2 to 500 mV, 0.5 to 2 ms



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## DATEX-OHMEDA® CARDIOCAP 5 PATIENT MONITOR

### 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<sub>2</sub>), Datex Legacy Standard

Plethysmographic waveform/plethysmogram

Measurement method Red and infrared light absorption SpO<sub>2</sub>

Measurement range  
SpO<sub>2</sub> 40% to 100%  
Pulse rate 30 to 250 bpm

Measurement accuracy, SpO<sub>2</sub>  
(±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<sub>2</sub>), Datex-Ohmeda Enhanced

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

Measurement range, SpO<sub>2</sub> 1% to 100%  
Pulse rate range 30 to 250 bpm

Measurement accuracy, SpO<sub>2</sub>  
(±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<sub>2</sub>), Nellcor

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

Measurement range  
SpO<sub>2</sub> 1% to 100%  
Pulse rate 30 to 250 bpm

Measurement accuracy, SpO<sub>2</sub>  
(±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<sub>2</sub> 0 to 15 vol%,  
±(0.2 vol% + 2 % of reading) O<sub>2</sub> 0 to 100 vol%,  
±(1 vol% + 2 % of reading)  
N<sub>2</sub>O 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<sub>2</sub>

Breath detection 1 % variation in CO<sub>2</sub>  
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<sub>2</sub>O ml/cmH<sub>2</sub>O  
Airway resistance 0 to 40 0 to 40 cmH<sub>2</sub>O//sec cmH<sub>2</sub>O//  
sec  
Airway pressure -20 to 100 -20 to 100 cmH<sub>2</sub>O cmH<sub>2</sub>O  
(±1 cmH<sub>2</sub>O) (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 tem-  
perature) 6050-0005-939  
N-XNSAT Nellcor compatible SpO<sub>2</sub> 6050-0005-916  
N-XOSAT Datex-Ohmeda enhanced SpO<sub>2</sub> 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<sub>2</sub> 6050-0005-916  
N-XOSAT, Datex-Ohmeda enhanced SpO<sub>2</sub> 6050-0005-  
917  
N-XC, Side Stream CO<sub>2</sub> 6050-0005-611  
N-XCO, CO<sub>2</sub>, N<sub>2</sub>O and Patient Oxygen™ 6050-0005-  
612  
N-XCAiO, CO<sub>2</sub>, N<sub>2</sub>O, O<sub>2</sub>, 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.