

# Datex-Ohmeda Critical Care Monitor

Comprehensive monitoring for the challenging  
Critical Care environment



The Critical Care Monitor offers a flexible range of module frame options, displays and interface access tools.

## Features - Module frames and displays

- Module frame options with five single module slots (F-CU5(P)) or eight single module slots (F-CU8)
- Insertion and removal of plug-in parameter modules without interrupting other monitoring
- Selection of two flat-screen displays
- Command Bar and Remote Controller for intuitive access with ComWheel™ to user interface
- Wide range of mounting elements for the system components
- Support for user-configurable additional screens with identical or independent waveform and numerical information

## Features - User interface

- Critical Care dedicated user interface, quick access to parameter data and alarm management functions
- User-configurable display layout and colors to support up to eight waveforms
- Up to 72-hour graphical and numerical trends
- Minitrends, split screen and four user-configurable graphical trend pages
- Up to 400 snapshots
- Comprehensive range of advanced clinical parameters and optional extended arrhythmia analysis
- Help function for quick user guidance
- Six user-configurable modes with pre-configured settings
- Support for the device interfacing solution (DIS)
- Scalable networking, viewing, storing and export of patient data through iCentral



## Technical specifications - displays

### 15-in color LCD display, M1138310

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15-in color LCD display with removable ComBar and ComWheel	
Display size	15-in diagonal
Display type	Active matrix color TFT LCD
Display resolution	XGA, 1024 x 768
Dimensions (H x W x D)	37.1 x 37.5 x 24.7 cm (14.6 x 14.8 x 9.7 in)
Weight	8.6 kg (18.9 lb)
Mounting	Can be mounted to desk stand, wall, or to various anesthesia machines
Power supply to display	Display needs its own power cable
Rated voltages and frequencies	100 to 250 V, 50/60 Hz
Removable ComBar with monitor controls, menu keys and ComWheel for selections and adjustments in menus	

### 19-in color LCD display, M1063774

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Display size	19-in diagonal
Display type	Active matrix color TFT LCD
Display resolution	SXGA, 1280 x 1024
Dimensions (H x W x D)	46.7 x 43.2 x 25.1 cm (18.4 x 17 x 9.9 in)
Weight	8.7 kg (19.2 lb) with desk stand
Mounting	Desk stand, mounting arm to wall and ceiling mount
Power supply to display	Display needs its own power cable
Rated voltages and frequencies	100 to 250 V, 50/60 Hz
Display controller	Requires B-DISPX

### Mounting options

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LCD Display	
Wall mount	M1001552
Flush wall mount	M1001704
Ceiling mount	M1001527
Pedestal mount	M1001703
Pivot wall mount	M1001542

Not all mounting options are available for all displays. Please check with the local representative for availability.

## Technical specifications - frames

### Central units

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Module capacity	5 single module slots (F-CU5) or 5 single module slots with integrated PSM support (F-CU5P) or 8 single module slots (F-CU8)
I/O connections	RS-232 computer serial port, parallel printer port
Interface capabilities	Support for DIS

#### Display support

F-CU5(P)	Up to two independent displays
F-CU8	Up to three independent displays

#### F-CU5, 5-Module frame

Dimensions with airway module (H x W x D)	142.5 x 244 x 297 mm (5.6 x 9.6 x 11.7 in)
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Weight (without modules)	2.5 kg (5.5 lb)
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#### F-CU5P, 5-Module frame with PSM support

Dimensions with airway module and PSM (H x W x D)	142.5 x 295 x 297 mm (5.6 x 11.6 x 11.7 in)
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Weight (without modules)	2.5 kg (5.5 lb)
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#### F-CPU, central processing unit for F-CU5(P)

Dimensions (H x W x D)	92 x 244 x 224.5 mm (3.6 x 9.6 x 8.8 in)
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Weight	3.1 kg (6.8 lb)
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#### Signal cable between F-CPU and F-CU5(P)

- M1021337, 30 cm (12 in)
- M1021338, 3.0 m (10 ft)
- M1021339, 10.0 m (33 ft)

#### F-CU8 Central unit, 8 module frame

Dimensions with airway module (H x W x D)	135 x 315 x 460 mm (5.3 x 12.4 x 18.1 in)
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Weight (without modules)	9.1 kg (20 lb)
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Laser printing capabilities with most PCL 5  
compatible printers

#### Expansion slots for additional boards to

- Connect additional displays

### Extension frames

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F-CU5 central unit F-CPU can support two F-CU5 frames.  
Connection cable lengths are 30 cm, 3 m and 10 m.  
The second F-CU5 frame can be mounted in the same way as  
one single F-CU5.

#### 4-module Extension frame F-EXT4, for F-CU8

Dimensions (H x W x D)	137 x 160 x 205 mm (5.4 x 6.3 x 8.1 in)
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Depth with modules	235 mm (9.3 in)
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Weight (without modules)	1.3 kg (3 lb)
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Extension frame is mountable to vertical or horizontal poles.

Extension module, E-EXT, is used to connect extension frame  
F-EXT4 to Critical Care Monitor Central Unit F-CU8.  
The Extension module occupies one module slot in the central  
unit. Connection cable length is 3 m (10 ft).

## Technical specifications - power supply

(Central Units F-CU5(P) and F-CU8)

### N-AC, F-CU5(P) power unit

Dimensions (H x W x D)	78.5 x 66 x 238 mm (3.1 x 2.6 x 9.4 in)
Weight	1.1 kg (2.4 lb)

### F-CU5(P)

Rated voltages and frequencies	100-240 V 50/60Hz
Allowed voltage fluctuations	100 V -10% to 240 V +10%
Maximum power consumption	150 VA
Safety class	Class I
Grounding	Hospital grade

### Power cable between N-AC and F-CPU

- M1021340, 40 cm (16 in)
- M1021341, 2.7 m (9 ft)

### F-CU8

Rated voltages and frequencies	100 V 50/60Hz 110-120 V 50/60Hz 220-240 V 50/60Hz
Allowed voltage fluctuations	100 V $\pm$ 10% 110 V -10% to 120 V +10% 220 V -10% to 240 V +10%
Maximum power consumption	160 VA
Safety class	Class I
Grounding	Hospital grade

## Environmental conditions

Operating temperature	10° to 35°C/50° to 95°F
Storage temperature	-10° to 50°C/14° to 122°F
Relative humidity	10 to 90% noncondensing (in airway 0 to 100% condensing)
Atmospheric pressure	660 to 1060 mbar/ 500 to 800 mmHg

### Certification *(apply also to parameter modules)*

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IEC 60601-1 approved with exceptions  
CE marking according to Directive 93/42/ EEC  
CSA C22.2.No. 601.1 approved  
Meets UL 2601-1 specifications

## Features - Trends

- Graphical trends: all measured parameters, selectable trend lengths from 20 minutes to 72 hours
- Numerical trends for selected continuous parameters sampled every five minutes. NIBP, PCWP and CO updated to trends after measurement, or after pressing Mark Event key
- Trend cursor in both graphical and numerical trends
- Four user-configurable graphical trend pages

## Features - Alarms

- Alarm system classified into three categories according to priority in critical care; color and audio tone coded
- Alarms display and adjustment page
- 10-minute graphical mini trends referenced to set alarm limits
- Alarms history page

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GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world.

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