

Compatibility Information for GE Datex-Ohmeda Instruments

Key:

Compatibility confirmed

FMD - Uses FM port Datex-legacy technology: confirmed that Viamed S/5 sensors are compatible.
N - Uses Nicolet connectors, compatible Viamed sensors are available.

Not compatible / unconfirmed

FM - Uses FM port connectors, technology unconfirmed. Compatibility for Viamed S/5 sensors needs verifying.
FMN - Uses FM port Nellcor Oximax technology. Requires FM to Oximax adapter cable.
FMM - Uses FM port Masimo SET technology. Requires FM to Masimo adapter cable.
FMO - Uses FM port Ohmeda-legacy technology: confirmed that Viamed S/5 sensors are not compatible.

Instruments

Monitor	Conn	Compatible sensors
FM Monitor (F-FM-00, F-FML-00)	FMD	0014625 – adult finger 0014725 – adult silicone 0014766 – paed silicone 0014816 – ear 0014827 – wrap
Compact Anaesthesia Monitor (F-CM1)	FMD	0014625 – adult finger 0014725 – adult silicone 0014766 – paed silicone 0014816 – ear 0014827 – wrap
Compact Critical Care Monitor (F-CMC1)	FMD	0014625 – adult finger 0014725 – adult silicone 0014766 – paed silicone 0014816 – ear 0014827 – wrap
Critical Care Monitor	FMD	0014625 – adult finger 0014725 – adult silicone 0014766 – paed silicone 0014816 – ear 0014827 – wrap
Anaesthesia Monitor	FMD	0014625 – adult finger 0014725 – adult silicone 0014766 – paed silicone 0014816 – ear 0014827 – wrap
Cardiicap 5 Anaesthesia Monitor	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Cardiicap 5 Critical Care Monitor	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Cardiicap	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Cardiicap II	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap

S/5 Light	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
AS/3 (typically uses N-port modules, but can be found with FM port modules)	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Satlite / Satlite Trans	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Eagle Series One	FM	Not known
Eagle 4000	FM	Not known
CARESCAPE Transport Pro (uses CARESCAPE patient data module) - 2 versions available: 1) Nellcor Oximax (requires adapter cable) 2) Masimo SET (requires adapter cable)	FMN FMM	Oximax range Masimo range
CARESCAPE V100 - 3 versions available: Nellcor 1) Oximax (requires adapter cable) 2) Masimo SET (requires adapter cable) 3) GE FM Port (Ohmeda-legacy)	FMN FMM FMO	Oximax range Masimo range No compatible yet available
Dash 2500 - 2 versions available: 1) Nellcor Oximax 2) Masimo SET	FMN FMM	Oximax range Masimo range
Dash 3000 - 3 versions available: 1) Nellcor Oximax 2) Masimo SET 3) GE FM Port (Ohmeda-legacy)	FMN FMM FMO	Oximax range Masimo range No compatible yet available
Dash 4000 - 3 versions available: 1) Nellcor Oximax 2) Masimo SET 3) GE FM Port (Ohmeda-legacy)	FMN FMM FMO	Oximax range Masimo range No compatible yet available
Dash 5000 - 3 versions available: 1) Nellcor Oximax 2) Masimo SET 3) GE FM Port (Ohmeda-legacy)	FMN FMM FMO	Oximax range Masimo range No compatible yet available

Plug-In Modules

Module	Conn	Compatible sensors
E-PRESTN	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
E-RESTN	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
E-PSM	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
E-PSMP	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
E-PSMW	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
E-PSMPW	FMD	0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap
M-NESTPR	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
M-ESTPR	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
M-ESTR	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
M-NESTR	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
M-PRESTN	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
M-RESTN	N	0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap

Note: If the instrument uses a module, it is important to check the module model number and connector type, as some instruments can use modules that utilize either FM port or Nicolet connectors.

Compatibility information for Viamed GE Datex-Ohmeda Sensors

GE Datex-Ohmeda comprises of 3 different technologies, which have been inherited as 'legacy' technology through company mergers and acquisitions in the past.

Ohmeda traditionally utilised the 9-pin Hypertronics connector, identified by being a slim, barrel-style connector with one side slightly flattened off.

Datex traditionally utilised the 10-pin Nicolet connector, which is larger than the Ohmeda Hypertronics connector, and is identified by being a chunky, round connector with a raised key-way in the 11 o'clock to 1 o'clock position.

GE now utilise the 'Care' (FM Port) connector, which is a blue, rectangular 11-pin connector with small raised key-ways at the bottom left and top right on the inside surface of the connector. It should be noted that other key-way variants of this connector also exist; further information is required as to which instruments use that alternative version.

GE Datex-Ohmeda Ohmeda style (H Port)	GE Datex-Ohmeda Datex style (N Port)	GE Datex-Ohmeda GE style (FM Port)
Hypertronics 9-pin 	Nicolet 10-pin 	GE Connector 11-pin 

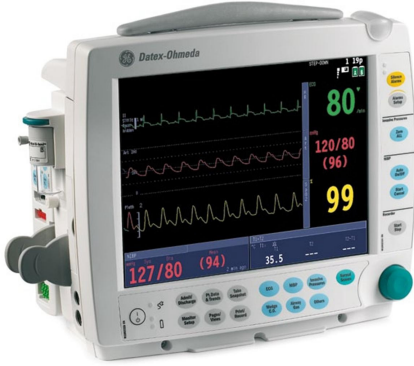
The Viamed GE Datex-Ohmeda S/5 sensors (0014625, 0014725, 0014816 & 0014827) utilise the FM Port connector. We have designated the range as being 'S/5 compatible' because the *latest* generation of GE Datex-Ohmeda S/5 anaesthetic machines use monitors equipped with modules that use FM port connectors, and these sensors have been verified to work on that range. However, some older S/5 monitors may use modules that utilize the Nicolet connector, so it is important to check which connector the monitor uses.

It should be noted that the sensors listed above are not electronically compatible with all of the GE instruments that they can physically connect to. This is due to GE employing a multiple LED package to work with instruments that use Ohmeda-legacy technology and also those that use Datex-legacy technology, essentially a '1-size fits all' approach, whereas the Viamed sensors employ a single optics package and we only currently have sensors for the Datex-legacy technology.

It should not be assumed that because our sensors have the same FM connector, they are compatible. We need to verify the information for a number of instruments.

The following tables list many of the GE instruments; it will be updated when new information is received.

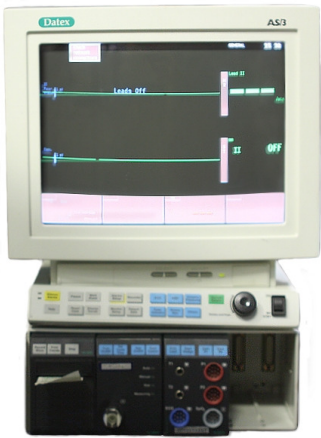
Patient monitors and modules that utilise the blue, rectangular FM Port / CARE connector which are confirmed as compatible with Viamed S/5 sensors		
Manufacturer / branding	Model	Notes
GE Datex-Ohmeda	The following modules: • E-PRESTN • E-RESTN • E-PSM • E-PSMP • E-PSMW • E-PSMPW The image shows the E-PRESTN module, a white rectangular device. It features four buttons at the top: 'Auto On/Off', 'Start Cancel', 'Zero P1', and 'Zero P2'. Below these are three ports labeled 'SpO2', 'T1-T2', and 'P1-P2'. There is also a 'NIBP' port and an 'ECG' port. A green multi-pin connector is visible on the side. The model name 'E-PRESTN' is printed at the bottom. E-PRESTN The image shows the E-PSM module, a smaller white rectangular device. It has a similar design to the E-PRESTN but is more compact. It features the same top buttons and ports, with the model name 'E-PSM' printed at the bottom. E-PSM These are installed on various items of modular equipment, such as: • S/5 Avance • AS/3 • CS/3 • AS/5 • FM Monitor However, some of the above may also use modules incorporating the N port connector, so it is important to verify the module being used, or at least verify that the instrument uses the FM port connector.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.

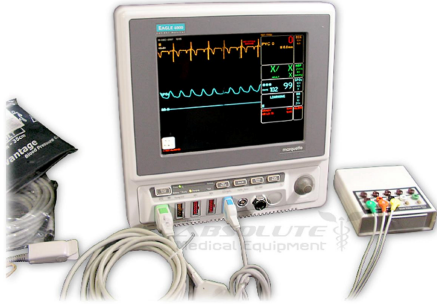
GE	FM Monitor (aka F-FM-00, F-FML-00)  The image shows a GE Datex-Ohmeda FM Monitor. It is a white, rectangular device with a large color LCD screen. The screen displays multiple waveforms (ECG, SpO2, etc.) and numerical data. The top right of the screen shows a large '80' in green. Below it, '120/80' and '(96)' are shown in red. At the bottom, '127/80' and '(94)' are shown in red, and '35.5' is shown in blue. The device has several buttons and a large green knob on the right side.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.
GE Datex-Ohmeda	Utilizes the E-PSM module Compact Anaesthesia Monitor (aka F-CM1)  The image shows a GE Datex-Ohmeda Compact Anaesthesia Monitor. It is a white, rectangular device with a large color LCD screen. The screen displays multiple waveforms and numerical data. The top right of the screen shows a large '60' in green. Below it, '121/81' and '(12)' are shown in red. At the bottom, '136/93' is shown in red, and '40' is shown in blue. The device has several buttons and a large green knob on the right side.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.
GE Datex-Ohmeda	Compact Critical Care Monitor (aka F-CMC1)  The image shows a GE Datex-Ohmeda Compact Critical Care Monitor. It is a white, rectangular device with a large color LCD screen. The screen displays multiple waveforms and numerical data. The top right of the screen shows a large '60' in green. Below it, '121/81' and '(12)' are shown in red. At the bottom, '136/93' is shown in red, and '121' is shown in blue. The device has several buttons and a large green knob on the right side.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.

GE	Critical Care Monitor  A GE Critical Care Monitor with a large screen displaying multiple vital signs and waveforms. The screen shows heart rate (66), blood pressure (107/47), oxygen saturation (96), and other parameters. The monitor is mounted on a stand with various ports and connectors at the base.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.
GE	Anaesthesia Monitor  A GE Anaesthesia Monitor with a large screen displaying multiple vital signs and waveforms. The screen shows heart rate (80), blood pressure (130/90), oxygen saturation (96), and other parameters. The monitor is mounted on a stand with various ports and connectors at the base.	Compatible sensors: 0014625 – finger 0014725 – adult silicone 0014816 – ear 0014827 – wrap.

Instruments that utilise the Nicolet 10-pin, round Datex connector, which are confirmed as compatible with Viamed Datex sensors

Manufacturer / branding	Model	Notes
GE Datex-Ohmeda	Cardiocap 5 Anaesthesia Monitor 	Uses Nicolet connector. Compatible sensors: 0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
GE Datex-Ohmeda	Cardiocap 5 Critical Care Monitor 	Uses Nicolet connector. Compatible sensors: 0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
GE Datex-Ohmeda	S/5 Light 	Uses Nicolet connector. Compatible sensors: 0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap

Datex	AS/3  This version AS/3 shown with a module that uses the Nicolet connector, but version may exist that have been upgraded to FM port	Uses Nicolet connector. Compatible sensors: 0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap
Datex-Ohmeda	The following modules: • M-NESTPR • M-ESTPR • M-ESTR • M-NESTR • M-PRESTN • M-RESTN  Typically installed on older monitors, such as AS/3 but can appear on newer monitors such as S/5, AS/5	Uses Nicolet connector. Compatible sensors: 0014606 – adult finger 0014706 – adult silicone 0014766 – paed silicone 0014804 – ear 0014827 – wrap

Instruments that utilise the blue, rectangular FM Port / CARE connector for which compatibility with Viamed S/5 sensors is yet to be confirmed		
Manufacturer / branding	Model	Notes
GE Marquette	Eagle Series One (Same as Eagle 4000)	See Eagle 4000 below.
GE Marquette	Eagle 4000 	Uses Nellcor Oximax, Masimo or GE. GE variant is FM Port but compatibility not confirmed.

Patient monitors and modules that utilise the blue, rectangular FM Port / CARE connector which are confirmed as NOT compatible with Viamed S/5 sensors		
Manufacturer / branding	Model	Notes
GE	Dash 2500	Uses the FM Port connector but is not compatible. 2 versions available, which require adapter cables: Nellcor Oximax Masimo SET
GE	Dash 3000	Uses the FM Port connector but is not compatible. 3 versions available, which require adapter cables: Nellcor Oximax Masimo SET GE Ohmeda-legacy
GE	Dash 4000	Uses the FM Port connector but is not compatible. 3 versions available, which require adapter cables: Nellcor Oximax Masimo SET GE Ohmeda-legacy

GE	Dash 5000  Uses the FM Port connector but is not compatible. 3 versions available, which require adapter cables: Nellcor Oximax Masimo SET GE Ohmeda-legacy
GE Dinamap	CARESCAPE V100  Uses the FM Port connector but is not compatible. 3 versions available, which require adapter cables: Nellcor Oximax Masimo SET GE Ohmeda-legacy
GE	CARESCAPE Transport Pro  Uses the FM Port connector but is not compatible. 2 versions available, which require adapter cables: Nellcor Oximax Masimo SET
GE	CARESCAPE patient data module  Used on CARESCAPE Transport Pro Uses the FM Port connector but is not compatible. 2 versions available, which require adapter cables: Nellcor Oximax Masimo SET

Footnote re. Modules - GE patient monitoring modules are plug-in modules that utilise the following coding:

- P – Invasive Blood Pressure
- R - Respiration
- E - ECG
- S - SpO2
- T - Temperature
- N – Non-Invasive Blood Pressure

We only need concern ourselves with modules with '**S**' in their designation.