



Obstetrical Care

Avalon FM20 Antepartum and FM30 Intrapartum

compact, versatile fetal and maternal monitoring

PHILIPS

Reliable monitoring throughout the obstetrical care continuum



Philips Medical Systems has a long history in obstetrical care that has earned the trust of care teams and parents.

Built on an obstetrical care legacy

Philips Medical Systems has a long and proud history in obstetrical care technologies — offering fetal and maternal monitors, obstetrical information systems, and monitors and measurements used during routine and high-risk deliveries. Since 1968, obstetrical care teams have used our care solutions in hospital labor and delivery departments and obstetricians' offices around the world. We've earned the trust of clinicians and expectant parents through decades of innovation and reliability, beginning with our Hewlett-Packard roots.

Avalon FM20 Antepartum Monitor for attentive care and reassurance before childbirth and multiples monitoring capability

Avalon FM20 Antepartum offers fetal and maternal monitoring for obstetrical departments in offices, clinics, and hospitals. It integrates monitoring of maternal blood pressure and pulse rate with measurement of multiple fetal heart rates and uterine activity. Efficiently designed, it is compact and easy to use and has power and performance features, including high-quality ultrasound.

The Avalon portfolio has high-tech and high-touch performance for the care team and patient.



New high performance functionality in the FM20 includes the capability to monitor triplets with a sophisticated three-channel ultrasound tracing capability and coincidence detection between all heart rate channels.

Data from the Avalon FM20 can be automatically transmitted to the Philips OB TraceVue obstetrical information system.

Avalon FM30 Intrapartum Monitor for enhanced care through labor and delivery, with capability to monitor multiples

Avalon FM30 covers patients from the onset of contractions through final stages of delivery with its full set of external and internal fetal parameters, such as ultrasound and direct fetal heart rate, Toco, and intrauterine pressure. It provides monitoring of maternal blood pressure, maternal SpO₂, and maternal ECG.

Avalon FM30 offers meticulous care from the onset of contractions through labor and delivery.



The FM30 includes all the new high performance functionality of the FM20.

Fully integrated within Philips obstetrical information continuum, data and traces from the Avalon FM30 can be automatically transmitted to OB TraceVue, where they become part of the overall patient record.

High-tech and high-touch performance for the care team and patient

Avalon FM20 and FM30 fetal monitors offer enhanced user functionality and documentation capabilities. They are compact, ergonomic, and easy to use.

Toco activity or intrauterine pressure monitoring.

Folding screen for optimal viewing in various mounting settings.

Ergonomic design projects a high-touch image to expectant parents with high-tech performance for the care team.

Touch screen with intuitive user interface for ease of use.

User-configured notes for standardization of patient data and documentation.

Large numeric displays ease readability.

Compact design is easy to move if needed, and screen folds down for wall mounting.



Cross Channel Verification, a Philips safety feature, reduces the risk of confusing maternal and fetal heart rate signals. Cross Channel Verification alerts when more than one heart rate channel processes the heart rate signal from the same source.

Audible alert of fetal bradycardia and tachycardia for advance warning of changes in fetal condition.

Backup memory for data protection.

LAN-ready for hospital networks.

Built-in thermal paper recorder provides documentation of fetal traces and maternal parameters, together with user-defined annotations on an efficient and easy to read documentation quality 15.2 cm (6") paper strip.

With capability for four fetal transducer connectors. Regardless of which plug is used, the system automatically recognizes each specific transducer.

Maternal pulse oximetry

Maternal non-invasive blood pressure



Smart transducers

for ultrasound, ECG, and Toco monitoring



Our new soft and smooth transducers are also "smart." Once plugged in, they are automatically recognized by the system. The Transducer Finder feature lights the correct transducer when a heart rate display is selected. This is especially useful for monitoring multiples.

Philips transducers use seven crystal ultrasound technology which provides homogeneous distribution of ultrasound energy. This results in equal signal distribution throughout the ultrasound coverage area.

Ergonomic design is smooth to the touch

Disposable, soft abdominal belt, one of several belts Philips offers, provides latex-free comfort for mother-to-be.

Combined Toco and ECG, for intrapartum use, feeds the direct ECG signal into the fetal monitor via the Toco cable, eliminating the need for an additional cable connection and reducing cable clutter.

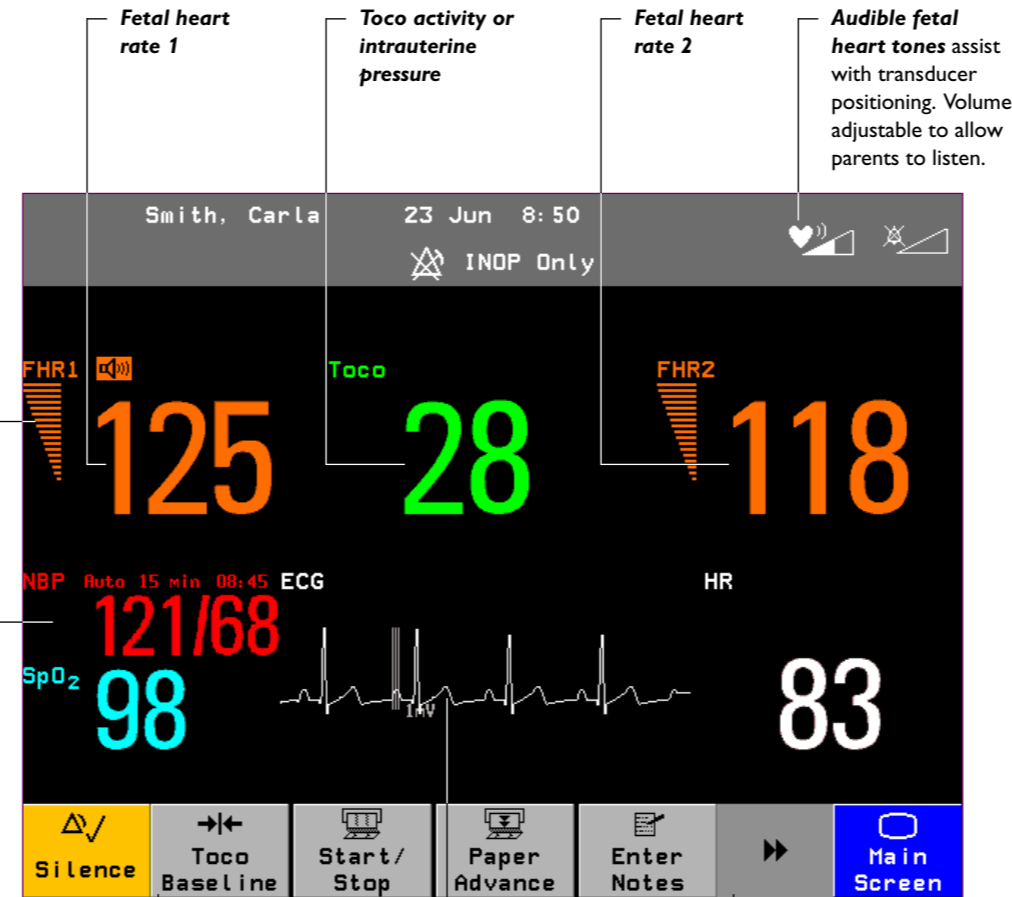


Transducer Finder feature is useful for monitoring of multiples. Select one fetal heart rate on the monitor display.



The Transducer Finder indicator lights up bright blue on the corresponding transducer.

Easy to read display



Signal quality is shown with indicators on each fetal heart rate channel, to help you optimize the transducer's position (separate indicator for each fetal heart rate).

Touch screen operation. Fetal and maternal (optional) patient information is displayed in numerical or graphical form on a 16.5cm. (6.5") TFT color screen.

Toco baseline adjust and paper advance are accessible on the initial user menu.

Maternal ECG wave for quick assessment of maternal heart rhythm.

Function key allows you to toggle through menus for expanded functionality.

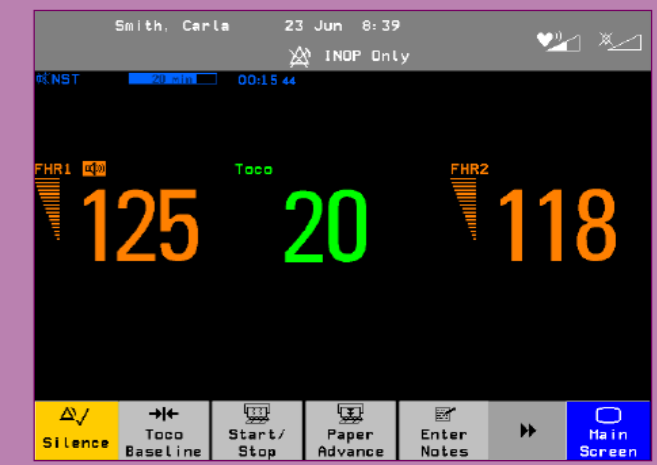


Philips labor and delivery supplies are designed for optimal performance. Fetal monitoring supplies include fetal scalp electrodes, abdominal belts, paper, and ultrasound gel.

Enhanced user functionality and documentation capabilities



New functionality in the FM20 and FM30 includes the capability to monitor triplets.



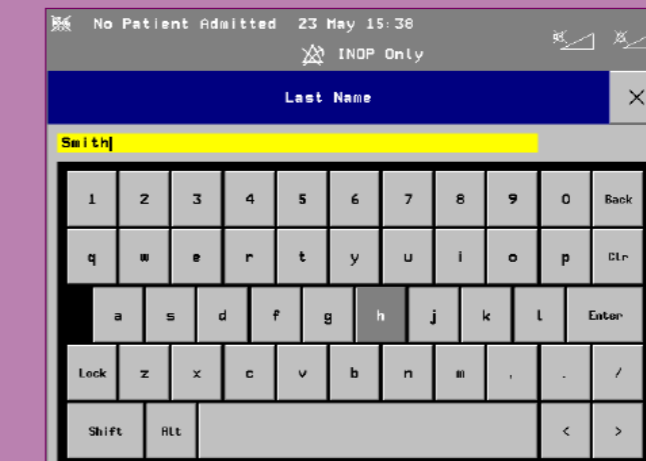
Automatic screen layout for optimal screen size.



Large numeric displays ease readability.



Notes window with user-configured notes for standardization of data and easy trace annotation.



Keyboard entry screen with large display for ease of use.



Setup window with touchscreens and an intuitive user interface.

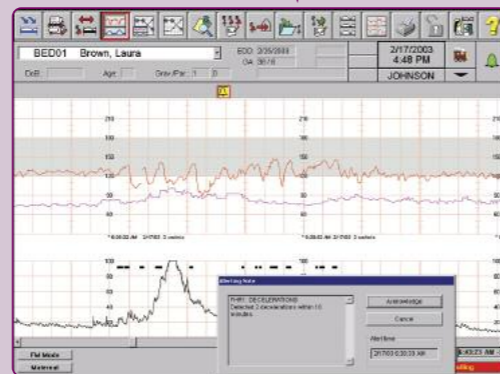
Patient information from Avalon FM20 and FM30 fetal and maternal monitors becomes part of the overall patient record

GATHERING DATA

SURVEILLANCE, ALERTING, CHARTING, AND STORAGE



Avalon FM20 or FM30



OB TraceVue

Data transmission from Avalon FM20 and FM30 to OB TraceVue

Philips obstetrical care fetal and maternal monitors and obstetrical information system span the obstetrical care continuum – from the earliest antepartum visits through discharge and even post-partum follow-up visits. Our technologies are designed to contribute to improved staff efficiency and to provide the significant benefits of a single, continuous patient record.

OB TraceVue obstetrical department information system

OB TraceVue offers patient surveillance, alerting, documentation, and archiving functionality to provide comprehensive information management across the obstetrical care continuum – from the first antepartum visit to delivery to post-partum follow-up visits, across multiple pregnancies. Accessible wherever patient information is needed – from patient bedside and delivery room, central station, staff lounge, or obstetrician's home or office – OB TraceVue delivers well-organized information and improves efficiency, allowing care teams to focus more attention on patients.

Harmonized patient name and bed labeling and time synchronization between OB TraceVue's system clock and all Philips fetal monitors make significant contributions to effective clinical, administrative, regulatory, legal, and archival activities.

		FM-2	Avalon FM20	Avalon FM30	Series 50 XM	Series 50 XMO*
External fetal measurements	Single US FHR	✓	✓	✓	✓	✓
	Twin US FHR	✓	✓	✓	✓	✓
	Toco	✓	✓	✓	✓	✓
	Precision track and hold	×	✓	✓	✓	✓
Internal fetal measurements	DECG	×	×	✓	✓	✓
	IUP/TTUIP	×	×	✓	✓	✓
	Fetal SpO ₂	×	×	×	×	✓
Integrated maternal measurements	NIBP	×	●	●	●	●
	SpO ₂	×	×	●	●	●
	MHR/MECG	× / ×	✓ / ✓	✓ / ×	●	●
Other features	Battery operation	✓	×	×	×	×
	Built-in/external recorder	× / ●	✓ / ×	✓ / ×	✓ / ×	✓ / ×
	Fetal trace data storage	✓ / 12 hrs.	✓ / 1 hr.	✓ / 1 hr.	×	×
	Cross channel verification	×	✓	✓	✓	✓
	Direct System interface to OB TraceVue	✓	●	●	✓	✓
	Fetal movement profile	×	✓**	✓**	✓**	✓**
	Remote transmission via phone line	✓	×	×	×	×

✓ Standard ● Optional × Not available

* not available in the US or Japan.
** not recommended for intrapartum applications.

Choose the mounting option to suit your care environment



Roll stand enables the Avalon FM20 and FM30 to be efficiently wheeled from room to room.



Space-saving cart designed with ergonomic features.



Wall mount when space is at a premium.

M862198 Avalon FM20
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