Avalon FM20 Antepartum and FM30 Intrapartum
compact, versatile fetal and maternal monitoring
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 inventions 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 FM20 features and benefits:
- Meticulous care from the onset of contractions through labor and delivery.
- 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 intravenous pressure. It provides monitoring of maternal blood pressure, maternal SpO2, and maternal ECG.

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

Avalon FM30 offers monitoring throughout the entire obstetrical care continuum from the onset of contractions through labor and delivery.

Data from the Avalon FM30 can be automatically transmitted to OB TraceVue, where they become part of the overall patient record.

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The Avalon 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.

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

**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.

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

- **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.

- **Touch screen with intuitive user interface** for ease of use.

- **User-configured mode** for standardization of patient data and documentation.

- **Large numeric displays** ease readability.

- **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.

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

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

- **Large numeric displays** ease readability.

- **With capability for four fetal transducer connectors**.

- **Regardless of which plug is used, the system automatically recognizes each specific transducer.**

- **Folding screen for optimal viewing in various mounting settings.**

- **Maternal pulse oximetry**

- **Maternal non-invasive blood pressure**

- **Toco activity or intrauterine pressure monitoring**

- **Draw screen with intuitive user interface for ease of use.**

- **User-configured mode** for standardization of patient data and documentation.

- **Large numeric displays** ease readability.
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.

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.

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

### Avalon FM20
- M862198
- M862199

### Avalon FM30
- G

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* not available in the US or Japan.

** not recommended for intrapartum applications.

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**External fetal measurements**

- Single US FHR
- Twin US FHR

**Internal fetal measurements**

- Toco
- Precision track and hold

**Integrated maternal measurements**

- DECG
- Fetal SpO2
- NIBP
- MHR/MECG

**Battery operation**

- Built-in/external recorder

**Fetal trace data storage**

- Cross channel verification
- Direct System interface to OB TraceVue

**Fetal movement profile**

- Remote transmission via phone line

<table>
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<th>Feature</th>
<th>Avalon FM20</th>
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Standard: Available
Optional: Available
Not available: Not available in the US or Japan

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**OB TraceVue**

OB TraceVue offers patient surveillance, alerting, documentation and archiving functionality to provide a well-organized view of the patient’s medical history. OB TraceVue offers patient surveillance, alerting, documentation and archiving functionality to provide a well-organized view of the patient’s medical history. OB TraceVue offers patient surveillance, alerting, documentation and archiving functionality to provide a well-organized view of the patient’s medical history. OB TraceVue offers patient surveillance, alerting, documentation and archiving functionality to provide a well-organized view of the patient’s medical history.

**GATHERING DATA**

**SURVEILLANCE, ALERTING, CHARTING, AND STORAGE**

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