



More reasons to trust

Avalon FM20 and FM30 with Smart Pulse fetal and maternal monitoring

The Avalon FM series fetal and maternal monitors are the first and only to offer cross-channel verification using Smart Pulse. This innovative feature allows automated maternal pulse detection via the Toco MP transducer* without the need to monitor maternal SpO₂ or ECG separately. Built-in NST Trace Interpretation, a clinical decision support (CDS) application for antepartum monitoring, can help to improve efficiency by sorting out the approximately 5% of traces that require closer analysis by the obstetrician. With the Avalon FM series, you have the confidence of continuous data with a backup memory, battery operation, and LAN interface, combined with smart transducers and a color touchscreen.

* Toco MP, Rev G.0 software, battery capability and trace interpretation not available in FDA-regulated territories.

Key advantages

- Automated coincidence detection with Smart Pulse
- Optional battery allows continuous monitoring during maternal transport in healthcare facilities
- Only the Avalon FM series can monitor triplets on a single monitor

PHILIPS
sense and simplicity

Smart choices at every point

Cross-channel verification continuously compares all fetal and maternal heart rates to ensure that each is measured separately, enhancing confidence. Easily view maternal and fetal ECG waves on the large, colorful display.

These antepartum and intrapartum monitors provide:

- Separate maternal pulse measurement
- Continuous monitoring during transport in healthcare facilities
- Integrated monitoring of maternal pulse rate and blood pressure (optional)
- External monitoring of multiple fetal heart rates, uterine activity, and fetal movement
- An extensive set of internal fetal parameters, such as direct fetal heart rate, intrauterine pressure
- Optional maternal SpO₂

From the very first visit

Avalon FM fetal monitors connect seamlessly to OB TraceVue, the Philips obstetrical surveillance and information management system.

Enlightened enough to handle triplets on a single monitor

LAN interface for compatibility with hospital IT networks.

Backup memory for seamless data collection.

Data buffer for paperless data management.

Maternal and fetal monitoring during transport with optional battery.

Transducer plug and play with automatic screen layout.

Monitor triplets with advanced technology (optional).

Crisp and clear 6.5" (16.51 cm) color display with large numerics and graphics.

Highly intuitive touchscreen for ease of use.

Smart transducers measure maternal and fetal pulses separately with cross-channel verification for automated coincidence detection.

Printed report after NST available on fetal heart rate strip automatically or on demand.





Battery option enables continuous monitoring during maternal transport in healthcare facilities.



New Avalon Toco MP transducers have the ability to monitor the maternal pulse to allow continuous use of the cross-channel verification feature, even when not monitoring maternal SpO₂ or ECG.



Avalon FM series monitors are compatible with the Avalon Cordless Transducer System (CTS) to provide freedom of movement for the mother and continuous monitoring by the care team.

	FM20	FM30
Care stage	Antepartum	Intrapartum
Patient type	Fetal and maternal	Fetal and maternal
Waveforms (not for diagnostic use)	MECG	DECG, MECG
External fetal parameters	US, Toco	US, Toco
Twin capability	Standard	Standard
Triplets capability	Optional	Optional
Internal fetal parameters	N/A	DECG, IUP
Maternal parameters	MECG, NIBP, Pulse	MECG, NIBP, Pulse, SpO ₂
Smart Pulse technology	Standard	Standard
Cross channel verification	Standard	Standard
Fetal movement profile	Standard	Standard
System interface (optional)	Serial, LAN	Serial, LAN
PS/2 interfaces	Optional	Optional
Monitor screen display	6.5" (16.51 cm)	6.5" (16.51 cm)
Touch screen operation	Standard	Standard
NST timer	Standard	Standard
NST trace interpretation (optional)	For up to three FHRs	For up to three FHRs
Data buffer (standard)	One hour guaranteed	One hour guaranteed
Battery operating time (optional)	Four hours guaranteed	Four hours guaranteed
Weight	11.2 lbs (5.1 kg)	11.2 lbs (5.1 kg)
Weight with battery option	11.7 lbs (5.3 kg)	11.7 lbs (5.3 kg)

Avalon FM20 and FM30 fetal monitors fit right in



862198 Avalon FM20

862199 Avalon FM30

A wide range of mounting solutions and high-quality Philips medical supplies optimize performance.

Please visit www.philips.com/AvalonFM20



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