



# More reasons to trust

## Avalon FM40 and FM50 with Smart Pulse fetal and maternal monitoring

The Avalon FM series fetal and maternal monitors are Philips first to offer automated coincidence detection (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 SpO<sub>2</sub> or ECG separately. Built-in NST Trace Interpretation, a clinical decision support (CDS) application for antepartum monitoring, can help to increase the efficiency of your daily work by sorting out traces that may be of concern. 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.

### Key advantages

- Automated coincidence detection with Smart Pulse
- The optional external touch display allows very flexible and ergonomic installations
- 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 fetal and maternal heart rates allowing each to be 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
- Integrated monitoring of maternal pulse rate and blood pressure
- 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 and intrauterine pressure
- Maternal SpO<sub>2</sub> monitoring is included as standard

- An optional external touch display allows flexible and convenient installations
- Additional standard rear connectors for interfacing the Avalon Cordless Transducer System (CTS) reduces cable clutter on the front side of the monitor

## From the very first visit

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

## Enlightened enough to handle triplets on a single monitor

**Bright and colorful 6.5" (16.51 cm) display** with large numerics and graphics.

**Intuitive touchscreen** for ease of use.

**Monitor triplets** with advanced technology (optional).

**Backup memory** for easy data collection.

**Data buffer** for paperless data management.

**Printed report after NST** available on fetal heart rate strip automatically or on demand (optional).



**LAN interface** for compatibility with hospital IT networks.

**Convenient front panel access** to connectors and recorder.

**Transducer plug and play with automatic screen layout** allows focus on patient care, not the system.

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



Optional large touchscreen remote display provides flexibility for clinicians and a unique viewing experience for families.



New Avalon Toco MP transducers have the ability to monitor the maternal pulse and facilitates continuous cross-channel verification of fetal and maternal heart rates, even when not monitoring maternal SpO<sub>2</sub> 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.

	FM40	FM50
Care stage	Antepartum	Intrapartum
Patient type	Fetal and maternal	Fetal and maternal
Waveforms	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	Pulse, MECG, NIBP, SpO <sub>2</sub> (all standard)	Pulse, MECG, NIBP, SpO <sub>2</sub> (all standard)
Smart Pulse technology	Standard	Standard
Cross channel verification	Standard	Standard
Fetal movement profile	Standard	Standard
System interface (standard)	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
Video out interface	Standard	Standard
External touch interface	Optional	Optional
Rear interface for Avalon CTS	Standard	Standard
NST timer	Standard	Standard
NST trace interpretation (optional)	For up to three FHRs	For up to three FHRs
Data buffer (standard)	Up to one hour	Up to one hour
Weight	< 19.8 lbs (< 9.0 kg)	< 19.8 lbs (< 9.0 kg)

# Avalon FM40 and FM50 fetal monitors are an ideal fit



Wooden carts only available in the USA.

The Avalon FM40 and FM50 shown above with optional touchscreen remote display placed for easy viewing by families and clinicians.



M2704A Avalon FM40

M2705A Avalon FM50

Philips offers a wide range of mounting solutions and high-quality medical supplies to optimize the performance of your monitors.

Please visit [www.philips.com/AvalonFM40](http://www.philips.com/AvalonFM40)



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