



The HP/Philips Fetal Monitor Series 50XM is a high quality unit utilized during delivery and labor. It provides continuous maternal vital signs monitoring and maternal non-invasive blood pressure readings. It features individual twins heart rate monitoring as well as uterine activity calculated in relation to a selected baseline. The 50XM provides signal quality indicators for each fetal heart channel for optimal transducer placement. The color coded sockets match the transducer cables for easy identification.

Features

- Continuous maternal vital signs monitoring, and maternal non-invasive blood pressure
- Individual twins heart rate monitoring
- Uterine activity calculated in relation to a selected baseline
- Signal quality indicators for each fetal heart rate channel for optimal transducer placement
- Toco and intrauterine pressure monitoring
- Color-coded sockets match transducer cables.



Specifications

Dimensions

Height: 5.8 in (147mm)
Width: 16.6 in (422 mm)
Depth: 15.4 in (392mm)
Weight: 31.96 lbs (14.6 kg)

Environmental

Operating Temperature: 0°C to + 55°C
Storage Temperature: -40°C to +75°C
Relative Humidity: 5% to 95%

Fetal Display

Heart Rate Range
US: 50 to 240 bpm
DEGG: 30 to 240 bpm
MHR: 30 to 240bpm (not displayed)
External Toco Range: 0 to + 127 relative units
IUP Range: -99 to 127 mmHg
Fetal SpO2 Range: 0-99%
Fetal Heart Rate Alarm Limits
Bradycardia Alert Range: 60 to 120 bpm Adjustable in 10 bpm steps (default: 110 bpm)
Tachycardia Alert Range: 150 to 210 bpm adjustable in 10 bpm stems (Default: 150 bpm)
Fetal Heart Rate alarm Delay
Bradycardia Alert Delay: 10 to 300 sec adjustable in 10 sec steps (Default: 60 sec)
Tachycardia Alert Delay: 10 to 300 sec adjustable in 10 sec steps (Default: 60 sec)

Maternal non invasive Blood Pressure

Pressure Transducer Accuracy:
15°C to 25°C ± 3 mmHg
10°C to 35°C ± 3 mmHg ($\pm 0.6\%$ of reading)
0°C to 55°C ± 3 mmHg ($\pm 1.7\%$ of reading)
Measurement Range:
Systolic: 30 to 270 mmHg
Diastolic: 10 to 245 mmHg
Cuff inflation rate: typically less than 10 seconds
Auto Mode Repetition time: 2, 5, 10, 15, 30, 60 minutes
Start Mode Duration: 5 minutes
Pulse Rate Range: Measurable within heart rate range of 30 to 240 bpm, averaged during NIBP measurement.