

10.4 Inches Fetal Monitor (FM-V2.5) Technical Data Sheet - Release V2.5



The 10.4 inches high-tech fetal monitor offers a reliable, high-performance solution for fetal monitoring needs in doctors' practices, clinics and hospitals, from pre-natal check-ups to antepartum monitoring of high-risk pregnancies.

An optional **USB Mouse/Keyboard control** eases navigation and data entry.

An optional **USB port** offers **patient data/NST report backup**.

An optional **Non-Stress Test (NST) report** software eases documentation in antepartum monitoring.

Features:

Core

- Newly advanced A9 main board with Linux OS, calculating speed is 4 times faster than traditional products
- Support **storage** of 25000 groups of medical record and 8640 hours trend review

Body

- **10.4 inch** Folded high-brightness TFT **LED**
- Optional **touch screen**

Sensor

- **12-Crystal ultrasound transducer** achieves a wider focal region for more uniform coverage at greater depths than conventional 9-crystal. 12-crystal ultrasound design can also get good result even when the patient varies her position and shape
- Optional **waterproof** FHR transducer for underwater birth
- **Event Marker** for easy documentation of events and kick counts. Auto-fetal-movement detector is also available.
- Use of **signal strength indicator** to position the ultrasound transducers at the optimum location on the patient

Printer

- Built-in high-speed thermal printer, printing width can be set to **112mm** (Brand: SEIKO, Japan)
- Support **fast printing** of stored trend

Central System

- Optional **Build-in wireless network module**, supporting wired or wireless connection to the central monitoring station.
- Optional Support HL7 (Health Level Seven)

Alarm

- Three-level acousto-optic alarm
- FHR signal strength prompt
- **Cross-Channel Verification (CCV)** provides visual and audible indication when it detects synchronous fetal or maternal heart rate signals, indicating that you may be monitoring a duplicate signal)
- Sensor-off alarm
- Paper out alarm
- Support alarm review

Linux OS

- Support **operation with mouse and computer keyboard** (option)
- **Multi-display mode** to meet different clinical requirement, including Fetal-parameter interface, Maternal-parameter interface, Fetal/Maternal-parameter interface, as well as big font, alarm review, ECG review, trend table, trend graph and OxyCRG display.
- **NIBP self-test mode**: including overpressure test, static pressure test and air leakage test.
- On-screen scrolling for viewing stored fetal traces
- **Generate ID** automatically when register a new patient
- Support **medical history search** by patient ID, name and mobile number
- **NST Timer**
- **Fetal Movement Profile (FMP)** detects and automatically records gross fetal body movements
- **Heart rate offset mode** allowing you to offset FHR2 \pm 5~30BPM.
- Support **multi-language** display
- Advanced Fischer **NST Report (Fetal Health Report)**
- Support **online software upgrading** by net/USB

- Optional **patient data &NST Report backup by USB** in PDF format

Interface

Transducer socket

- US1 (FHR1)
- US2 (FHR 2)
- TOCO
- FM (Manual Fetal movement)
- SPO2 (Maternal SpO2)
- NIBP (Maternal NIBP)

LAN / Central monitor system interface

- The LAN port is for connecting the monitor to a central monitor system network.

Input device interface

- This optional interface provides an USB ports to enable the monitor to be connected to off-the-shelf input devices as well as support patient data & NST Report backup (option):
 - Mouse: any specified trackball or USB mouse may be used for navigation and data entry.

- Computer keyboard: an USB computer keyboard can be used for data entry instead of the on-screen pop-up keyboard.

[Remark: user has to restart the machine after plug and unplug the mouse / computer keyboard.]

- Touch screen (optional)

[Remark: Touch screen can not be used simultaneously with mouse / computer keyboard.]

Service Features

- The Support Tool helps technical personnel to
 - carry out configuration, upgrades and troubleshooting on an individual monitor.
 - back up the monitor settings.
 - The Service Mode is password-protected and ensures that only trained staff can access service tests and tasks. It includes Printer Setting, Skin Type, AFM Setting, Brightness Setting, Clear Data, NIBP Calibration, and Touch Screen Calibration.
- The Support Tool uses the USB interface of the fetal monitor for software upgrading.