

CooperSurgical F9 Fetal Monitor



The CooperSurgical **F9 Fetal Monitor** is a perfect blend of cutting-edge ultrasound innovation and a sleek, user-friendly build. Designed for comfort and efficiency, this advanced monitor is equipped with dual 12-crystal, wide-beam 1 MHz waterproof transducers, enabling comprehensive monitoring for twin pregnancies and enhancing ultrasound detection capabilities. Effortlessly navigate through data on the generous 12-inch color touchscreen, featuring vivid color tracings that can be conveniently shared with patients. Whether resting on a countertop or secured on a mobile cart, the F9 adapts to your space, and its compact, foldable design ensures effortless storage between uses.

Features

- 12-inch touch screen display facilitates operator interface.
- Real time color monitor provides instantaneous feedback to staff and facilitates patient interaction.
- 12-crystal, wide-beam, 1 MHz waterproof transducer yields industry-leading signal acquisition and FHR maintenance
- Configured to monitor twins for efficiency.
- Signal Overlap Verification provides visual and audible indications when synchronous heart rate signals are detected.
- Twenty-four hour data storage facilitates data transfer and reprinting.
- EMR compatibility with CooperSurgical Insight Software.
- Auto fetal movement detection and alert.



Specifications

Dimensions

Height: 13.7 inches (34.7 cm)

Width: 13 inches (33 cm)

Depth: 5 inches (12.6 cm)

Weight: 13 lb (6 kg)

Safety

Complies with:

IEC 60601-1:1988+A1+A2, EN 60601-1:1990+A1+A2, IEC/EN 61157,
IEC/EN 60601-2-37, IEC/EN 60601-1-2:2001+A1

Anti-electric Shock Type: Class I equipment with internal power supply

Anti-electric Shock Degree:

FHR1, FHR2, TOCO, FM, FS : B

IUP : BF

DECG : CF

Degree of Protection against Harmful Ingress of Water:

Ordinary equipment (sealed equipment without liquid proof)

Degree of Safety in Presence of Flammable Gases:

Equipment not suitable for use in presence of flammable
anesthetic mixture with air or with oxygen or nitrous oxide.

Disinfection/Sterilizing Method:

Refer to this User Manual for details

EMC: Group I Class A

Working System: Continuous running equipment

Power Supply

Operating Voltage: 100V-240V AC

Line Frequency: 50/60 Hz

Pmax: 110VA

Fuse: T1.6AL 250V

Environment - Monitor

Working

Temperature: 5 °C ~ 40 °C (41 °F ~ 104 °F)

Relative Humidity: 25% ~ 80% (non-condensing)

Atmospheric Pressure: 860hPa ~ 1060hPa

Transport and Storage

Temperature: -20 °C ~ 55 °C (-4°F ~ 131 °F)

Relative Humidity: 25% ~ 93% (non-condensing)

Atmospheric Pressure: 700hPa ~ 1060hPa



Specifications

Environment(con't) - Transducers

Working

Temperature: 0 °C ~ 40 °C (32 °F ~ 104 °F)

Relative Humidity: < 95% @ 40 °C

Altitude: -500m ~ 3000m

Transport and Storage

Temperature: -40 °C ~ 60 °C (-40°F ~ 140 °F)

Relative Humidity: < 90% @ 60 °C

Altitude: -500m ~ 3000m

Ultrasound

Technique: Ultrasound Pulse Doppler with autocorrelation

Mode: PW Doppler Mode

Pulse Repetition Rate: 2 KHz

Pulse Duration: 92 µs

Ultrasound Frequency:

1.0MHz±10%

p- < 1 MPa

lob < 10 mW/cm²

Ispta < 100 mW/cm²

FHR Measurement Range: 50 bpm ~ 240 bpm

Resolution: 1bpm

Accuracy: ±1 bpm

Earth Leakage Current: < 10 uA @ 264 VAC applied to transducer

Dielectric Strength: > 4000Vrms

ISATA@ the transducer face: 1.902 mW/cm²

Entrance beam dimensions: 9.42 cm²

Measurement uncertainties for ISATA: ±26.6%

Measurement uncertainties for ultrasonic power: ±26.6%

Global Maximum Value: MI = 0.030

ISPTA.3 = 4.29 (mW/cm²) ISPPA.3 = 48 (mW/cm²)

Signal Interface

DB9 network interface, RJ45 interface

