

# SK-EM005

MATERNAL AND CHILD  
HEALTH MONITORING DEVICE



# SK-EM005

## FEATURES AND HIGHLIGHTS

### Technical parameters

- Fetal heart rate measurement display curve range 50-10bpm ( $\leq \pm 2$ bpm)
- Output beam sound intensity  $< 5$  mW/cm<sup>2</sup>
- Ultrasonic working frequency 1.0MHz
- The uterine contraction pressure has an automatic reset function, with a measurement display curve range of 0-100 units and a non-linear error of  $\leq \pm 10\%$
- The advanced digital signal processing technology (DSP) provides more accurate and reliable parameter display results

### ECG

- Lead configuration Standard three-lead or five-lead cable
- Gain '0.25, '0.5, '1, '2
- Heart rate range Adults: 15bpm to 300bpm  
Newborns/children: 15bpm to 350bpm
- Electrode polarization voltage range  $\pm 300$  mV
- Baseline recovery time  $< 3$  seconds after defibrillation

### Respiration

- Measurement method RA-LL (R-F) impedance method
- Respiration rate range Adults: (0-120) BrPM  
Children and newborns: (0-150) BrPM
- Apnea alarm (10-40) seconds

### Measurement range of blood oxygen saturation

- 0-100%
- Resolution: 1%
- Accuracy: 70%-100%:  $\pm 2$
- 0%-69%: undefined

### Measurement range of pulse rate

- 20bpm-300bpm resolution: 1bpm accuracy:  $\pm 3$ bpm

### Temperature measurement range

- (5-50) $^{\circ}$ C, resolution: 0.1 $^{\circ}$ C



### Non-invasive blood pressure

- Operating modes manual/automatic/continuous
- Measurement interval time in automatic measurement mode 1-480 minutes.
- Measuring range systolic pressure (60-240)mmHg
- Diastolic pressure (30-180)mmHg
- Mean pressure (40-200)mmHg
- Static pressure range (0-300) mmHg, static pressure accuracy:  $\pm 3$  mmHg

### Standard configuration

- Heart rate
- SPO<sub>2</sub>
- NIBP
- RESP
- TEMP
- PR
- Uterine contraction pressure
- Fetal heart rate
- Fetal movement (manual/automatic)
- Automatic scoring
- Automatic analysis

### Optional feature

- Twins monitoring
- FAS (Fetal Acoustic Simulator)
- CMS
- Trolley

**Design**

The highly compact and lightweight body design allows for easy portability and flexible installation in all directions.



**Material**

Newly designed with ABS engineering plastic mold injection molding. Adopting aluminum-magnesium alloy bracket, stable and reliable, with good shock resistance and easy to move.



**Screen design**

The 12.1-inch color LCD screen can be adjusted within a 90-degree range to meet different viewing angle requirements.



**Ultrasound probe**

The multi-chip waterproof probe is highly sensitive, resistant to interference, and has extremely low ultrasonic dosage, making fetal monitoring safer and more reliable.



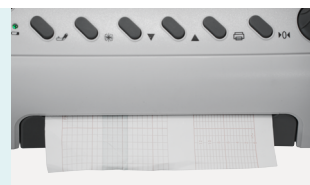
**Power supply**

The wide power supply design makes it suitable for use in a wide range of regions. The dual AC/DC power supply ensures high adaptability of the instrument to different environments. With low power consumption, it maintains stable and continuous monitoring of pregnant women and fetuses for extended periods of time.



**Built-in printer**

The 152mm imported thermal array printer has an extended lifespan and can print and store real-time curves, parameter values, and monitoring status.



**Handle**

Fixed handle design, comfortable to hold, stable and easy to move.



**Operation display**

The device has two specialized display interfaces for fetal and maternal monitoring, and is operated with shuttle rotary buttons for convenient and efficient operation.



**Alarm function**

The device has multiple alarm functions, including alarms for fetal tachycardia, low battery, bradycardia, and printer paper shortage.



**Counting function**

The device can automatically and manually count fetal movements and display fetal activity curves and data in a clear and intuitive manner.



**Interface settings**

The device supports both wired and wireless network connections and has USB and network interfaces for integration into a central monitoring system, allowing for dynamic, timely, and comprehensive observation of monitoring conditions.



**Analyzing Storage Functions**

The device has automatic fetal scoring and analysis functions, which can perform ACOG, FISCHER, and KREBS scoring, providing professional reference data for clinical diagnosis. It can continuously store monitoring curves and data for up to 39 hours, and can be easily searched, replayed and printed at any time.







## CONSTANT INNOVATION



Design



Research



Manufacturing



Maintenance



Service



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Company video



General catalogue