# MEC-1000
## Patient Monitor

- 10.4" color TFT display with 4 waveforms
- Parameters including ECG, RESP, SpO$_2$, NIBP, TEMP
- Suitable for adult, pediatric and neonatal patient
- 72-hour graphic and tabular trends of all parameters
- SpO$_2$ pulse-tone modulation ( Pitch Tone)
- Audible and visual alarms with adjustable alarm ranges
- Networking capacity

# mindray
healthcare within reach

# MEC-1000
## Patient Monitor

## Technical  Specifications

### Safety
Meet the requirements of IEC60601 series, CE marking according to MDD93/42/EEC

### Size and Weight
| | |
|---|---|
| Dimensions: | 318mm (W) x 264mm (H) x 152mm (D) |
| Weight: | 4 kg |

### Operation Environment
| | |
|---|---|
| Power: | AC100~240V, 50/60 Hz |
| Temperature: | 0~40 C |
| Humidity: | 15~95%(non-condensing) |

### Patient Range
Adult, pediatric and neonatal

### Performance Specifications
| | |
|---|---|
| Display: | 10.4" color TFT |
| Resolution : | 800x600 |
| Trace: | 4 waveforms |
| Sweep speed: | 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s |
| Indicator: | Alarm indicator |
| | Power indicator |
| | QRS beep and alarm sound |
| Networking: | Connected to central monitoring system |
| Interface: | Net Port |
| Battery: | Rechargeable Lead-acid battery |
| | 100 minutes (2 batteries) for continuous working |
| Trend time: | 1~72 hours |
| Alarm: | 10-level audible and visual alarm |
| Recorder: | Built-in, thermal array, 2 channels |
| Record paper: | 50 mm |
| Record speed: | 25 mm/s, 50 mm/s |

### ECG
| | |
|---|---|
| Input: | 3-lead: R; L; F or RA; LA; LL |
| Lead selection: | I; II; III |
| ECG waveform: | 1 channel (the 2nd waveform cascade) |
| Gain selection: | x0.25; x0.5; x1; x2; auto |
| Sweep speed: | 12.5mm/s, 25mm/s, 50mm/s |
| Heart Rate Range: | Adult: 15~300bpm |
| | Pediatric: 15~350bpm |
| | Neonate: 15~350bpm |
| Accuracy: | 1bpm or 1%, whichever is greater |
| Resolution: | 1bpm |
| Protection: | Withstand 4000VAC/50Hz voltage in isolation |
| | against electrosurgical interference and defibrillation |
| CMRR: | Diagnostic mode: ≥90dB |
| | Monitor mode: ≥105dB |
| | Surgery mode: ≥105dB |
| Operation modes: | Diagnostic, Monitor, Surgery |
| Bandwidth: | Diagnostic: 0.05~100Hz |
| | Monitor: 0.05~100Hz |
| | Surgery: 0.05~100Hz |

| | |
|---|---|
| Pace Detection: | YES |
| S-T detection: | YES |
| Measurement range: | -2.0mV~2.0mV |
| Alarm range: | -2.0mV~2.0mV |
| Arrhythmia analysis: | YES |
| Alarm : | YES, audible and visual alarm, alarm |
| | Events recallable |

### Respiration
| | |
|---|---|
| Method: | Impedance between R-F(RA-LL) |
| Range: | Adult: 0-120BrPM |
| | Pediatric: 0-120BrPM |
| | Neonate: 0-150BrPM |
| Resolution: | 1 rpm |
| Accuracy: | 0-6 : Unspecified |
| | 7-150 rpm: ±2rpm or ±2% whichever is greater |
| Apnea alarm: | 10-40(s) |

### NIBP
| | |
|---|---|
| Method: | Oscillometric |
| Operation modes: | Manual/Automatic/STAT |
| Measurement unit: | mmHg/Kpa selectable |
| Measurement types: | Systolic, Diastolic, Mean |
| Measurement range: | Adult: 10~270mmHg |
| | Pediatric: 10~200mmHg |
| | Neonatal: 10~135mmHg |
| Over-pressure protection: | YES |
| Resolution: | 1mmHg |
| Accuracy: | Mean error and standard deviation |
| | per ANSI/AMI SP-10 |
| Alarm: | Systolic, Diastolic, Mean |

### Temperature (Surface and Intracavity)
| | |
|---|---|
| Measurement range: | 0-50 C |
| Resolution: | 0.1 C |
| Accuracy: | ± 0.1 C(not including probe) |
| Channel: | 1 channel |
| Alarm range: | 0-50 C |

### SpO$_2$
| | |
|---|---|
| Measurement range: | 0-100% |
| Resolution: | 1% |
| Accuracy: | (70-100%) ± 2 % (Adult, Pediatric), ± 3%(Neonate) |
| | 0-69% unspecified |
| Alarm range: | 0-100% |
| Pulse Rate: | Range: 20-254bpm |
| | Resolution: 1bpm |
| | Accuracy: ± 2bpm or ± 2%, whichever is greater |
| | Alarm range: 0-254bpm |

### Standard configuration:
ECG, RESP, NIBP, SpO$_2$ , TEMP, One Battery

### Optional configuration:
Thermal Recorder, Second Battery

DISTRIBUTOR:

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