



**tepa**<sup>®</sup>  
the name of confidence

# tracing your health

**cinema**<sup>SERIES</sup>  
patient monitor



## cinema-10

### Technical Specifications

#### Safety

Meet the requirements of IEC60601 serial standards, CE marking according to MDD08&42&EEC

#### Dimension and Weight

Dimension: 320mm (W) x 245mm (H) x 170mm (D)  
Weight: 4.0Kgs without battery, 5.0Kgs with 1 battery

#### Operation Environment

Power: AC100 - 240V ( $\pm 10\%$ ), 50/60 Hz ( $\pm 3$  Hz)  
Temperature: +5°C to +45°C  
Humidity: 15% to 95%, non-condensing

#### Patient Range

Adult, Pediatric and neonatal

#### Performance Specifications

Display: 10.4" color active matrix TFT  
Resolution: 640x480  
Trace: 9 waveforms maximum  
Sweep Speed: 6.25mm/s, 12mm/s, 25mm/s and 50mm/s  
Indicator: Power indicator light  
Interface: Analog output  
Battery: Built-in Lead-Acid rechargeable battery  
Battery life: 2 hours minimum  
Trend time: 1-72 hours  
Alarm: 3-level audible and visual  
Networking: LAN/ Wireless LAN  
Wireless LAN: Operates on license free ISM (Industrial, Scientific and Medical) 2.4 ~ 2.483 Ghz radio frequency band IEEE 802.11b compliant  
Recorder : Built-in, thermal array, 3channels  
Record width: 48mm,(record paper 50mm)  
Record speed: 25mm/s

#### ECG

Lead Type: 5-lead or 3-lead selectable  
Input: 5-lead: RA; LA; RL; LL; V or R; L; N; F; C  
3-lead: RA; LA; LL or R; L; F  
Lead Section: 5-lead: I; II; III; aVR; aVL; aVF;  
Vx I, II, III, aVR, aVL, aVF, V (n)  
3-lead: I; II; III  
ECG Waveform: 7 channels  
Gain Selection: 0.25, 0.5, 1.0, 2.0, 2.5 (mm/mV), auto  
Sweep Speed: 12mm/s, 25mm/s, 50mm/s  
Heart Rate Range: Adult: 15-300 bpm  
Pediatric/Neonatal: 15-300bpm  
Accuracy:  $\pm 1$  bpm or  $\pm 2\%$ , whatever is greater  
Resolution: 1 bpm  
Bandwidth: Diagnostic mode: 0.05-100Hz  
Monitor mode: 0.5-45Hz  
Operation mode: 1-25Hz  
Calibration signal: 1 mv  $\pm 5\%$   
CMRR: >90dB  
S-T detection: YES  
Measurement range: -0.8mV~ 0.8mV  
Arrhythmia analysis: YES  
Alarm: YES, audible and visual

#### Respiration

Method: RA-LL impedance  
Measurement Range: 0-120 rpm  
Resolution: 1 rpm  
Accuracy:  $\pm 2\%$  or  $\pm 2$  rpm, which is greater

**Standard configurations: ECG/RESP,NIBP/SPO2, TEMP, Inbuilt Battery**

**Optional configurations: Dual-IBP, EtCO2, Thermal Recorder, but can not add the three optional items synchronously.**



#### NIBP

Method: Oscillometric  
Operations Mode: Manual/Automatic/ STAT  
Measurement Unit: mmHg/kpa selectable  
Measurement Types: Systolic, Diastolic, Mean  
Measurement Range: Adult: 10-270mmHg  
Infant: 10-200 mmHg  
Neonatal: 10-135 mmHg  
Over-pressure protection: YES  
Resolution: 1mmHg

#### Temperature

Scale: °C and F selectable  
Measurement Range: 0-50°C  
Resolution: 0.1°C or 0.1F  
Accuracy:  $\pm 0.1^\circ\text{C}$ , exclusive of probe errors  
Channel: 1 channel/ 2channel(option)  
Alarm Range: 0-50°C  
Accuracy:  $\pm 2$  bpm (30-250 bpm)  
Alarm Range: 0-254 bpm

#### SPO2

Range: 0-100%  
Resolution: 1%  
Accuracy: 70-100%  $\pm 2\%$ ; 0-69%, unspecified  
Alarm Range: 0-100%  
Pulse Range: 0-254 bpm  
Resolution: 1 bpm

#### IBP

Measurement Range: -50-350 mmHg  
Channel: 2 channels  
Pressure transducer:  
Sensitivity: 5 uv/v/mmHg  
Impedance range: >300  
Measurement Unit: mmHg/kpa selectable  
Resolution: 1mmHg  
Accuracy:  $\pm 1$ mmHg or  $\pm 2\%$ , whichever is greater  
Alarm range: -10~300mmHg

#### EtCO2

Method: Infrared Absorption  
Measurement Mode: Sidestream  
Measurement range: 0-99 mmHg  
Resolution: 1 mmHg  
Accuracy: CO<sub>2</sub> concentration:  
 $\pm 2$ mmHg (0-40 mmHg)  
 $\pm 5\%$  of reading (41-76 mmHg)  
 $\pm 10\%$  of reading (77-99 mmHg)  
Alarm Range: Same as Measurement range



TEPA Inc. reserves the right to change specifications at any time without notice.