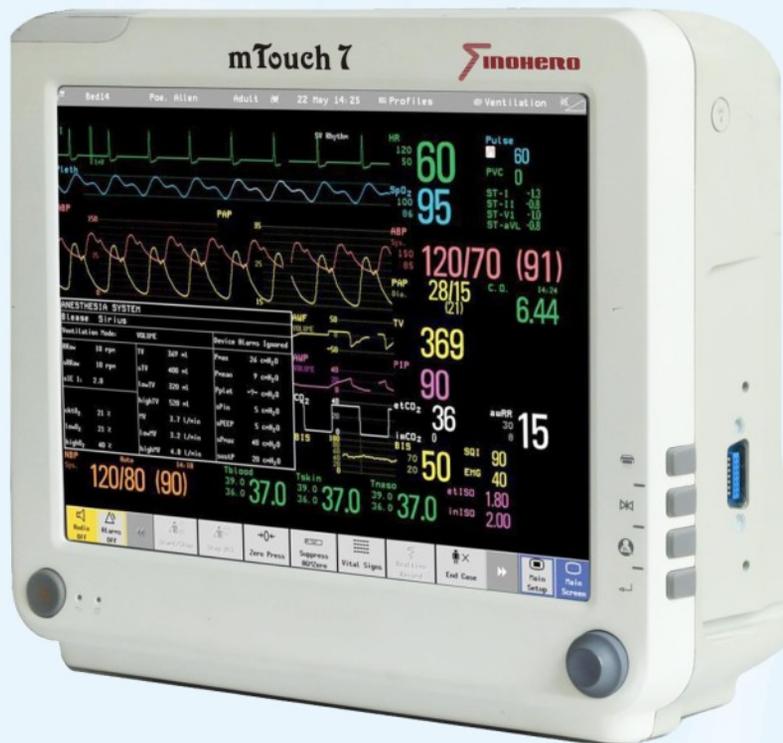




深圳市中豪生物电子有限公司
Sino-Hero(Shenzhen) Bio-Medical Electronics Co., LTD.

mTouch 7

Multi-parameter Patient Monitor



- 12" TFT full-touch screen with sharp view
- Ultimate slim design, compact with style
- 15 drug calculations and 13 ARR analyses, and ST analysis
- External 4-channel printer with plug-and-play feature
- Wire or wireless networking available



Size and Weight

- Size: 300(W)× 270(H)×120(D)mm
300(W)×410(H)×120(D)mm (with printer)
- Weight(Standard Configuration): 5.5kg

Display

- 12.1" color TFT Full Touch Screen
- Resolution: 800×600

Multi displays

- Standard display
- Large-font display
- Short Trend display
- OxyCRG display

Indicator

- Power indicator light
- Battery indicator light

Interface

- Parameter cable interface
- AC Power input socket
- Ground wire interface
- Network interface
- Alternate Display
- USB interface
- SD memory card interface

Battery

- Li-ion battery /Rechargeable
- Maximum 10 hours for charging; 2 hours for continuous working

Trend Graph

- Reviewable Parameters: HR,ST,SpO2,PR,NIBP,RR,TEMP
- Resolution: 1s, 5s, 5min, 10min

Trend Table

- Reviewable Parameters: HR,ST,SpO2,PR,NIBP,RR,T1,T2,TD
- Resolution: 1,5,10,30,60min
- Trend Data: 256 Hours trend data for all parameters
- NIBP measurement: 400 Groups

Alarm

- Categories: Physical alarms and Technical alarms
- Priority: High, Medium, and Low
- Alarm sound levels: 0, 1, 2, 3, 4
- Notification: Visual and Audible

Networking

- Connected to central monitoring system

Recorder

- Type: Thermal dot array
- Number of waveform channels: 2 (standard), 1,3(optional)
- Paper width: 50mm
- Paper length: 13.5m
- Print speed: 25mm/s

Operation Environment

- Temperature: 0℃-40℃
- Relative humidity: ≤85% (noncondensing)
- Atmospheric pressure: 860hpa-1060hpa
- Patient Range: Adult, Pediatric, Neonate

ECG

- Lead Mode: 3-lead
5-lead
- Lead selection: I, II, III
I, II, III, V, AVR, AVL, AVF
- Gain: ×0.25, ×0.5, ×1, ×2, Auto
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
- Multi-lead display: 6 waveforms
- Alarms: User-selectable upper and lower heart rate limits

HR

- Heart Rate for Adult: 15-300bpm
- Heart Rate for Neonate/Pediatric: 15-350bpm
- Heart Rate Accuracy: ±1bpm or ±1%, whichever is greater
- Heart Rate Resolution: 1bpm
- Notch: 50Hz, 60Hz

ST Segment

- ST segment range: -2.0mv to 2.0mv
- ST alarm range: -2.0mv to 2.0mv
- ST segment accuracy: -0.8mv to 0.8mv
- ST segment error: ±0.02mv
- Arrhythmia type: 13 types

SpO2

- Measurement range: 1%~100%
- Resolution: 1%
- Accuracy: ±2%(70%-100%); unspecified(0-69%)
- Alarm range: 0~100%

Pulse Rate

- Measurement range: 20bpm~300bpm
- Resolution: 1bpm
- Accuracy: ±3bpm
- Alarm range: 0~254bpm

NIBP

- Measurement technique: Oscillometric
- Measurement types: Systolic, Diastolic, Mean
- Work mode: Manual, Auto, STAT
- Auto measurement time: 0-4 hours
- Measurement unit: mmHg / Kpa selectable
- Measurement range:

Adult Mode:	Systolic pressure	40~270mmHg
	Diastolic pressure	10-215mmHg
	Mean pressure	20-235mmHg
Pediatric Mode:	Systolic pressure	40~200mmHg
	Diastolic pressure	10-150mmHg
	Mean pressure	20-165mmHg
Neonatal Mode:	Systolic pressure	40-135mmHg
	Diastolic pressure	10-100mmHg
	Mean pressure	20-110mmHg
- Accuracy: 5%
- Resolution: 1mmHg
- Alarms : Selectable upper and lower limits for systolic, diastolic and mean pressure
- Over-pressure protection: Double safety protection

IBP

- Channels: 1 or 2 selectable
- Measurement Mode: Pressure Transducer
- Measurement Range: -10mmHg~300mmHg
- Accuracy: ±1mmHg or ±2%, whichever is greater(without sensor)
- Pressure name: ART, PA, CVP, RAP, LAP, ICP, P1, P2
- Alarm range: -10~300mmHg

TEMP

- Measurement unit: °Celsius(°C) or °Fahrenheit(°F)
- Measurement range: 0-50°C
- Channel: T1, T2, TD (Temperature Difference)
- Resolution: 0.1°C
- Accuracy: ±0.1°C
- Probe type: YSI type

RESP

- Measurement technique: RA-LL Impedance variation detection
- Range: Adult: 7~120rpm
Pediatric/Neonate: 7~150rpm
- Apnea alarm: 10s,15s,20s,25s,30s,35s,40s selectable
- Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s
- Gain: 0.25, 0.5, 1, 2, 4

EtCO2

Mainstream CO2

- Measurement Range: 0 -150 mm Hg
- Accuracy: ± 2 mm Hg (0 - 40 mm Hg)
± 5% of reading (41 - 70 mm Hg)
± 8% of reading (71 -100 mm Hg)
± 10% of reading (101 -150 mm Hg)
- RR range: 0 to 150rpm
- Accuracy: 1rpm
- Response time: <60ms

Sidestream CO2

- Measurement range: 0 -150 mm Hg
- Accuracy: ± 2 mm Hg (0 - 40 mm Hg)
± 5% of reading (41 - 70 mm Hg)
± 8% of reading (71 -100 mm Hg)
± 10% of reading (101 -150 mm Hg)
- Sample flow rate: 50ml/min
- Accuracy: ±15% or 15ml/min, whichever is greater
- Warm-up time: <1min, enter the iso accuracy mode
After 1 min, enter the full accuracy mode
- RR range: 0-120rpm
- RR accuracy: ±2 rpm

Standard Configuration of mTouch 7

12.1" TFT-LCD Full Touch Screen, 3/5 Lead ECG, PR/HR, RESP, SpO2, NIBP, 2-TEMP, Li-ion Battery

Optional Configuration of mTouch 7

Masimo SpO2, 2-IBP, EtCO2 (Sidestream, Mainstream), VGA output, Printer



Specification subject to be changed without prior notice.

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ENG-mTouch7-20131213