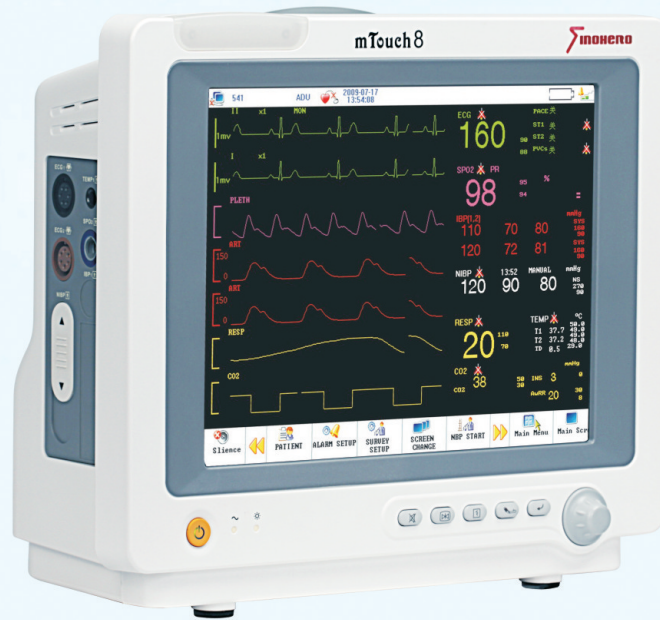


mTouch8

ICU Patient Monitor



- Unique design and parameter configuration as ICU monitoring
Top-notch solution
- 12-lead ECG and Masimo SpO2 as standard
- Ultra bright and vivid 12.1" TFT display
- Outstanding touch screen to simplify instant access
- Water-proof design and dust-proof NIBP socket on any
challenged conditions
- Superior connectivity for network, data-sharing, software upgrade

Size and Weight

- Dimension: 345mmx291mmx165mm
- weight: 4.5kg

Display

- 12.1" color TFT Full Touch Screen
- Rolling and refreshing waveform display
- Resolution: 800x600

Multi displays

- Standard display
- Freeze display
- Large -font Display
- Trend coexist display
- Alarm limit display
- OxyCRG dynamic view display
- Bed-to-bed view display
- Multi-lead and ECG simultaneous display

Trace

- 12 waveforms
- Sweep Speed: 12.5mm/s, 25mm/s, 50mm/s

Indicator

- Power indicator light
- Battery indicator light

Inter Face

- Parameter cable inter face
- AC Power input socket
- Network inter face
- External VGA inter face for connection of fan
- Alternate Display

Battery

- Lithium-ion battery /Rechargeable
- Plug & Play battery, capacity:4000mA
- Maximum 12 hours for charging; 4 hours for continuous working
- Electric specification: A.C220±22v, D.C 12V, 50Hz±1Hz
- Power: <70VA

Trend Time

- Trend graph: 120 Hours of trend graph storage recall and print
- Data recall & print function: 200 groups parameter alarm recall &print
200 groups Arrhythmia alarm recall &print
2000 groups NIBP recall &print
- Data power-off protection

Alarm

- User-adjustable High and Low limits audible and visual alarm

Networking

- Connected to central monitoring system

Recorder

- Built-in, thermal array
- Waveform: 2 channels
- Record mode: manual, on alarm, time -defined, etc
- Paper width: 48mm
- Print speed: 25mm/s, 50mm/s

Record type

- Consecutive real-time record, Automatic record, Parameter alarm record, freeze Waveform record, Review and Saving, Trend Review

Internal Modules

- Individual Modules
- ECG module, SpO2 module, NIBP module, Main control module and Power supply module.

Operation Environment

- Power: AC100-250V, 50/60Hz.
- Temperature: 5-40 °C
- Humidity: 15-85%
- Patient Range: Adult, Pediatric, Neonate

ECG

- 12-leads ECG Analysis
- Heart Rate Range
- Adult: 15-300bpm
- Pediatric/Neonate:15-350bpm
- Accuracy: ±1% or ± 1 bpm (whichever is greater)
- Resolution :1 bpm
- ECG Enlarge width
- MON: 0.5-40Hz
- DIA: 0.05-130Hz
- OPE: 1-20Hz

- Lead selection: 5 Lead and 3 lead selectable
- 5 lead: RA; LA; RL; LL; V or R; L; N; F; C
- 3 lead: RA; LA; LL or R; L; F
- Lead selection: 12-Lead I; II; III; aVR; aVL; aVF; V1-V6.
- 5-lead: I; II; III; aVR; aVL
- 3-lead: I; II; III
- ECG waveform: 2 channels
- ST SEGMENT detection: -2.0mV - +2.0mV (Automatic)
- Arrhythmia analysis: Yes
- Electrode desquamated indicator: Voice & light indication
- Gain selection : ×1/4, ×1/2, ×1, ×2, ×4
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
- HR alarming time: ≤ 12s
- PR from ECG
- Adult: 15-300bpm
- Pediatric/Neonate: 15-350bpm
- ECG noise level: ≤ 30 μV (P-P value)
- ECG input loop current: I_a
- Input impedance: 5 MΩ
- CMRR : ≥105 Db
- Time constant
- Monitoring mode ≥0.3s
- Diagnostics Mode≥3.2s
- Anti-jamming: line frequency, electrosurgical interference and defibrillation
- Arrhythmia Analysis and pacemaker detection
- ECG cable
- Standard configuration ECG cable for Adult
- Standard two ECG cables to support 12 leads ECG analysis
- Alarm setting: Adjustable from lower to upper and automatic memory
- Waveform: Standard 12-ECG waveforms

Masimo-SpO2

- Measurement Range:0% to 100%
- Resolution:1%
- Accuracy: 70% to 100%;±2%(adult/pediatric, non-motion conditions)
- 70% to 100%;±3%(neonate, non-motion conditions)
- 70% to 100%;±3%(motion conditions)
- 0% to 69%, unspecified

PR

- Measurement Range:25bpm to 240bpm
- Accuracy: ±3bpm(non-motion conditions)
- ±5bpm(motion conditions)
- Resolution:1bpm

NIBP

- Measurement method: Automatic vibration
- Measurement types: Systolic, Diastolic, Mean
- Work mode: Manual / Automatic/Continuous
- Auto measurement time: Adjustable 1min-480min
- Measurement unit: mmHg / Kpa selectable
- Measurement range: 10-270mmHg
- Adult/Pediatric Mode:

Systolic pressure	40-270 mmHg
Diastolic pressure	10-215 mmHg
Mean pressure	20-235 mmHg
- Neonatal Mode:

Systolic pressure	40-150 mmHg
Diastolic pressure	10-100 mmHg
Mean pressure	20-110 mmHg
- Alarm type: Systolic pressure, Diastolic pressure, Mean pressure
- Accuracy:±5mmHg
- NIBP pressure range: 0-300 mmHg
- PR from NIBP: Measurement 40-240bpm
- Over-pressure protection :
Hardware and software both over pressure protection
300 mmHg is the max pressure.
Higher than the above pressure, the safety valve deflate automatically

NIBP Cuff:

- Standard - Adult NIBP cuff ;
- Optional - Pediatric NIBP cuff , Neonatal NIBP cuff

Alarm Setting:

Adjustable from lower to upper and automatic memory

IBP

- Measurement Mode: Pressure Transducer
- Measurement Types: Systolic, Diastolic, Mean
- Channel: 2 channel
- Pressure names: AVP, CVP, PAR, LAP, RAP, ICP
- Measurement Range: -30mmHg~300mmHg
- IBP Accuracy: 0~100mmHg ±4mmHg
- 100mmHg~300mmHg ±2%
- Pulse Accuracy: ±1% or ±1bpm, whichever is greater
- Calibration Mode: Zero Calibration
- Standard: US Abbott/Medex IBP accessories

Dual TEMP

- Measurement range: 0-50° C
- Channel: T1, T2, TD (Temperature Difference)
- Resolution: 0.1° C
- Accuracy: ±0.1° C(exclusive of error of sensor)
- Measurement unit: ° C / F selectable
- TEMP sensor: standard configuration- skin TEMP sensor
- Alarm setting: Adjustable from lower to upper and automatic memory

RESP

- Method: R-F(RA-LL) impedance method
- RR measurement range
- Adult: 7-120bpm
- Neonate: 7-150bpm
- Resolution: ±1 rpm
- Accuracy: ±1bpm
- Alarm setting: Adjustable from lower to upper and automatic memory
- ARR analysis, RESP Apnea Alarm:10s-40s

EtCO2

Sidestream CO2

- CO2 Measurement Range: 0 -150 mm Hg, 0 to 79%, 0 to 20kPa (at 760mmHg)
- 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)
- Sampling Rate: 50ml/min. ±10ml/min
- Sampling rate accuracy: 15%
- Start-up time: <1 min, once the module starts up, it reaches ISO accuracy
- Mode: 10 minutes after start-up, the module reaches full accuracy mode
- Respiration rate: 0-120bpm
- Respiration rate accuracy: ±2rpm (0-70rpm)
- ±5rpm (>70rpm)
- Response time: <240msec (10% to 90%)
- Delay time: <2s
- (Sampling line length: 7 inches; internal diameter: 0.055 inches; sampling gas flow rate: 150ml/min)

Mainstream CO2

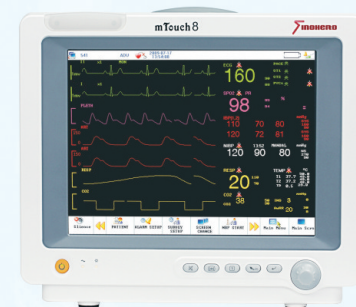
- Method: Infrared Absorption
- Measuring mode: Mainstream
- Measurement range: 0 -150 mm Hg, 0 to 79%, 0 to 20kPa (at 760mmHg)
- Resolution: 0.1 mmHg 0 to 69 mmHg
- 0.25mmHg 70 to 150mmHg
- Accuracy: ± 2 mm Hg (0 – 40 mm Hg)
- ± 5% of reading (41 – 70 mm Hg)
- ± 8% of reading (71 –100 mm Hg)
- ± 10% of reading (101 –150 mm Hg)
- Alarm range: Same as Measurement range

Standard configuration of mTouch 8

Mainunit: 12.1" TFT-LCD Full Touch Screen, 12 Lead ECG, HR, Respiration, Masimo SpO2, NIBP, 2 TEMP, Lithium Battery, Handwriting Pen

Optional parameter& configuration of mTouch 8

2-IBP, EtCO2 (Sidestream, Microstream , Mainstream), Multigas/O2, ICG, 3/5 Lead ECG, Nellcor SpO2, CO, Thermal recorder, USB/SD Memory



Specification subject to be changed without prior notice.

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