

MDPRO2500

Vital Signs Monitor

The MDPRO2500 Vital Signs Monitor boasts advanced vital sign monitoring technology. Designed to make daily use more efficient, the internal Wi-Fi capabilities, data storage and review, makes the MDPRO2500 is our most user-friendly vital signs monitor.



1200

NIBP
Measurement

120 HR

Trend
Review

200

Alarm
Review

16 Million

Measurements
(Spot & Round)

Features

- 8" Color TFT screen, full touch screen
- Supports hard key and knob operation
- Unique cable-receiving design
- Continuous Monitoring / Spot / Round Modes
- MEWS/EWS/NEWS score system
- Tympanic, Covidien Oral, Non-Contact, & Exergen Temporal temperature optional
- Integrates with Point Click Care with VitalsXChange
- Storage for 16 million spot check measurements

Standard Parameters: SpO2, NIBP, PR

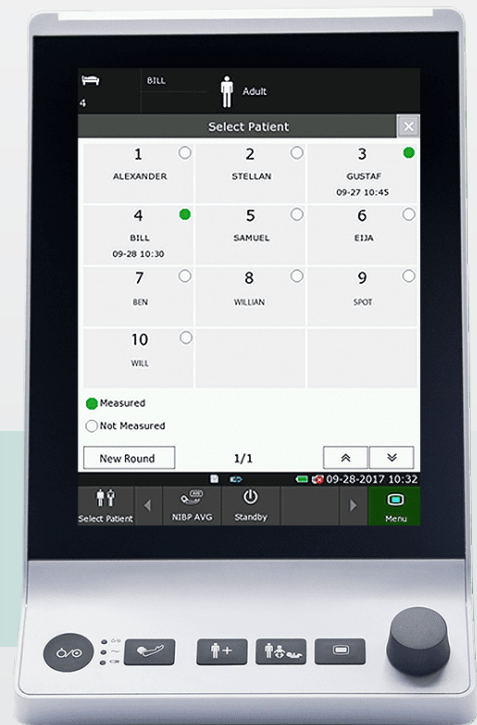
Optional Parameters: Nellcor OxiMax™ SpO2, SunTech NIBP, Covidien Oral Temp, Infrared Ear Temp, Quick Oral Temp, Non-Contact Temp, & Exergen Temporal Temp

Innovative Design

- Portable design
- Proprietary Round mode made for fast paced environments
- Barcode scanner support
- USB, OTG, LAN, & DCHP
- Built in WiFi
- 360 Degree alarm light



Longterm Care



Display Modes



Infrared Ear Temp
MDPRO2500_NST



Quick Oral Temp
MDPRO2500_NST.O



Covidien Oral Temp
MDPRO2500_NST.C



Non-Contact Temp
MDPRO2500_NST.HTD



Exergen Temporal Temp
MDPRO2500_NST.E

Adaptive Work Modes

Round Mode

- Designed to make daily use more efficient
- Easily upload data through WiFi to your EMR
- Features color-coded list
- Preset and save resident names and room numbers
- Up to 1,000 names can be added at once

Monitoring Mode

- Designed for continuous patient monitoring
- Real-time data, alarms, and trends

Spot Mode

- Designed for spot-check applications
- Real-time vitals

Configurations

STANDARD — MDPRO2500_NS

- EDAN SpO2, EDAN NIBP
- Touch screen, battery, WiFi, USB interface, nurse call/OTG interface, MEWS/EWS/NEWS

OPTIONAL

- SpO2 Nellcor SpO2, Suntech NIBP, T2A Quick Temp, F3000 Quick Temp, TH Ear Temp, Exergen Temporal Temp, & Non-Contact Temp
- Recorder & internal barcode scanner

Accessories

STANDARD

- SPO2 Finger Sensor, Adult, 1m, reusable, DB9 — SH1.D89
- Adult Cuff (27cm-35c) — Cuff.E9
- NIBP Tube (3m) with connector — 01.59.473007
- Power Cord (USA Standard) — 01.13.036638
- Rechargeable Lithium-ion Battery — 02.21.064365
- Potential Equalization Conductor — 11.13.114214
- SPO2 7-PIN Extension Cable, 2m — 01.57.471068

NST ACCESSORIES

- Infrared Ear Temperature Probe Covers (200/Box) — 11.57.208058
- Infrared Ear Temperature Probe Cover Dispenser — 11.57.208059
- Infrared Ear Thermometer — 01.57.208057
- Thermometer Communication Cable — 01.13.036415

NST.O ACCESSORIES

- Disposable Temp Probe Covers (250 Covers/ 25/Box) — 01.57.471871
- Edan Oral Temp Kit — 02.04.241063
- Edan Oral Probe — 02.04.110140

NST.E ACCESSORIES

- Thermometer Cover — 01.57.472040
- Probe Caps — 01.57.472039
- TAT5000S Infrared Forehead Scanner — 124225-AC-QR

NST.C ACCESSORIES

- Covidien Oral Temp Probe Covers (200 Covers) — 502000
- Covidien Oral Temp Kit — 02.04.241063
- Covidien Oral Probe — 01.57.471312

NST.HTD ACCESSORIES

- Infrared Body Thermometer — 01.57.472185
- Temperature Isolation Chamber — 02.01.217371

Optional Accessories

SPO2 SENSORS

- Adult Hard-Shell SpO2 Finger Sensor (DB9) — SH1.DB9
- Silicone Wrap SpO2 Finger Sensor (DB9) — SH3.DB9
- Adult "Hood" Soft-tip SpO2 Finger Sensor (DB9) — SH4.DB9
- Adult/Pediatric Ear Clip SpO2 Sensor (DB9) — SH6.DB9

CUFFS

- NIBP Cuff, Infant, 10-15cm, reusable — Cuff.E5
- NIBP Cuff, Small Child, 13-17cm, reusable — Cuff.E6
- NIBP Cuff, Child, 16-21cm, reusable — Cuff.E7
- NIBP Cuff, Small Adult, 20.5-28cm, reusable — Cuff.E8
- NIBP Cuff, Adult, 27cm-35cm, reusable — Cuff.E9
- NIBP Cuff, Large Adult, 34cm-43cm, reusable — Cuff.E10

TROLLEY

- Center Pole Trolley (roll stand) with basket and locking casters (23lbs, 31x24x9) — MT-207_plate_mdpro2500

Specifications

PHYSICAL SPECIFICATION

Device Dimension:
159mm (W) x 262mm (H) x 166mm (D) Weight:
approx. < 2.5 kg

DISPLAY

Color TFT LCD: 8"
Resolution: 800x600

POWER SUPPLY

100 V-240 V-, 50 Hz/60 Hz
Current: 0.7 A-0.35 A; Fuse: T2.5AH, 25OVAC

BATTERY 1

Battery Type: Rechargeable Lithium-ion
Capacitance: \geq 2400 mAh
Operating Time: \geq 3.5 hrs
Fast Changing Time: \leq 3 hrs
Charging Time: Monitor on: \leq 10 hrs

BATTERY 2

Capacitance: \geq 4800 mAh
Operating Time: \geq 10 hrs
Fast Changing Time: \leq 6 hrs
Charging Time: Monitor on: \leq 20 hrs

DATA STORAGE

Monitor Mode:
Trend Graph: 1hr, 1s resolution Table: 120 hrs, 1m resolution Alarm/ Monitoring Event Data: Up to 200 sets
NIBP Review: 1200 sets
Round Mode:
Round Record: Up to 800K sets SpO₂: \leq 20 sets for single patient NIBP: \leq 20 sets for single patient TEMP: \leq 20 sets
Spot Checking Mode:
Storage data maximally contains 16 million sets of spot-checking data for multiple patients

RECORDER

Record Width: 49 mm-50 mm. Paper Speed:
12.5 mm/s, 25 mm/s, 50 mm/s
Trace: 1
Recording types:

- Continual real-time recording 8 seconds real-time recording
- Recording manually Physiological
- Alarm recording Trend graph recording
- Trend table recording
- NIBP review recording
- Alarm review recording
- NIBP auto triggered recording

WIFI

IEEE: 802.11 B/G/N
Frequency Band: 2.4 GHz ISM Band

E-LINK BLUETOOTH

Transmit Frequency: 2402 ~ 2480MHz Frequency Band: 2402 ~ 2480MHz Modulation: FHSS, GFSK, DPSK, DQPSK

INTERFACE & OTHERS

USB Port: 1
Micro USB Port: 1
Network Interface: 1
Nurse Call: Micro USB Port
Built-in Barcode Scanner: Optional

NIBP

Technique: Oscillometry
Mode: Manual, Auto, Continuous,
Measuring Interval in AUTO Med

{Unit: minutes}: 1/2/3/4/5/10/15/30
60/90/120/180/240/360/480

Continuous 5 min interval in 5 s measuring parameter: SYS, DIA, MAP, Measuring Range

Adult Mode:

SYS: 25 mmHg to 290 mmHg DIA: 10 mmHg to 250 mmHg MAP: 15 mmHg to 260 mmHg Pediatric Mode:
SYS: 25 mmHg to 240 mmHg DIA: 10 mmHg to 200 mmHg MAP: 15 mmHg to 215 mmHg Neonate Mode:
SYS: 25 mmHg to 140 mmHg DIA: 10 mmHg to 115 mmHg MAP: 15 mmHg to 125 mmHg

Alarm Type: SYS, DIA, MAP, PR (NIBP)

Cuff Pressure Measuring Range:
0 mmHg to 300 mmHg
Pressure Resolution: 1 mmHg Maximum Mean Error: \pm 5 mmHg Maximum Standard Deviation: 8 mmHg Maximum Measuring Period:
Adult/Pediatric: 120 s
Neonate: 90 s

Typical Measuring Period: 20 s to 35 s (depend on HR/motion disturbance)

Overpressure Protection:

Adult: 297 mmHg \pm 3 mmHg
Pediatric: 245 mmHg \pm 3 mmHg
Neonatal: 147 mmHg \pm 3 mmHg

PR

Measuring Range: 40 bpm to 240 bpm Accuracy: \geq 3 bpm or 3.5%, whichever is greater

TEMP (T2A Module: Oral Temp)

Measuring Range:
Monitor Mode: 25 C-45 C
Predict Mode: 35.5 C-42 C
Sensor Type: Oral/Axillary/Rectal Accuracy: \pm 3 bpm (20 bpm to 250 bpm) Resolution: 0.1 C
Accuracy: Monitor Mode: \pm 0.1 C (25-45C)
Response Time: < 60 s
Time for predicting: < 30 s
Monitor Mode: \pm 0.1 C (25 C-45 C)
Measuring Mode: Direct Mode/Adjusted Mode

TEMP (TH Module: Infrared Ear Temp)

Measuring Range: 34 C-42.2 C
Resolution: 0.1 C
Response Time: 1 s
Clinical Accuracy: \pm 0.2 C (0.4 F) (35.5 C-42 C) (95 F-107.6 F) \pm 0.3 C (0.5 F) (out of the range mentioned above)
Laboratory Accuracy: \pm 0.2 C

TEMP (F3000 Module: Coviden Oral Temp)

Measuring Range: 30 C-43 C
Prediction Measurement: 35 C-43 C
Color Mode Prediction: 35 C-43 C
Sensor Type: Oral/Axillary/Rectal Resolution: 0.1 C
Accuracy: Monitor/ Predictive Mode: \pm 0.1 C Quick Predictive Mode: \pm 0.3 C
Typical Measurement:

Oral:

Quick Predictive Mode):
(3-5) s (non-fever temps); (8-10) s (fever temps)

Rectal:

(10-14 s)
Monitoring mode (all sites): (60-120 s)

SPO₂

Measuring Range: 0% to 100%
Resolution: 1%
Data update period: 1 s
Accuracy:

Adult/ Pediatric: \pm 2% (70% to 100% SpO₂) Undefined (0% to 69% SpO₂)
Neonate: \pm 3% (70% to 100% SpO₂) Undefined (0% to 69% SpO₂)

Measuring Range: 0-10

PI:

Resolution: 1

Pulse Rate:

Measuring Range: 25 - 300 bpm
Resolution: 1 bpm
Accuracy: \geq 2 bpm

TAT5000S

Clinical Accuracy \pm 0.2 °F or 0.1 °C
Per ASTM E1112
Temperature Range 61 °F to 110 °F (16 °C to 43 °C) (16 °C rounded up from 15.5 °C)
Arterial Heat Balance Range for Body Temperature 94 °F to 110 °F (34.5 °C to 43 °C)
Operating environment 60°F to 104°F (16°F to 40 °C)
Storage conditions -4 °F to 122 °F (-20 °C to 50 °C)
Resolution 0.1 °C or 0.1 °F
Response time: 0.04 seconds
Time Displayed On Screen 30 seconds
Clinical performance (versus oral thermometry) per ISO 80601-2-56
Clinical Bias: 0.52 °C
Limits of Agreement: 1.24
Clinical Repeatability: 0.13
Clinical performance (versus rectal thermometry) per ISO 80601-2-56
Clinical Bias: 0.02 - 0.07 °C
Limits of Agreement: 0.87 - 1.15
Clinical Repeatability: 0.13

HTD8808C

Operating mode Adjusted mode (body mode)
Direct mode (surface mode)
Reference body site Axillary
Rated output range Body mode: 34.0 °C - 43.0 °C (93.2 °F -109.4 °F)
Surface mode: 0 °C - 100 °C (32 °F - 212 °F)
Out Range Body mode: 34.0 °C - 43.0 °C (93.2 °F -109.4 °F)
Surface mode: 0 °C - 100.0 °C (32 °F -212 °F)
Laboratory Accuracy Body mode:
34.0 °C-34.9 °C: \pm 0.3 °C (93.2 °F-94.8 °F: \pm 0.5 °F);
35.0 °C-42.0 °C: \pm 0.2 °C (95.0 °F-107.6 °F: \pm 0.4 °F);
42.1 °C-43.0 °C: \pm 0.3 °C (107.8 °F-109.4 °F: \pm 0.5 °F);
Surface mode: \pm 2°C (\pm 3.6 °F)
Display Resolution 0.1 °C or 0.1 °F
Auto Power Off Time \leq 18 s
Measuring Time \leq 2 s
Measuring distance 0.1 cm-15 cm
Operating temperature 15 °C-40 °C (59 °F-104 °F)
Storage temperature -20 °C-55 °C (-4 °F-131 °F)
Clinical bias -0.027
Limits of Agreement 0.26
Clinical Repeatability 0.07
TD-1261