



# MDPRO2500

## Vital Signs Monitor

The MDPro 2500 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 MDPro 2500 is our most user-friendly vital signs monitor.



**1200**

NIBP  
Measurements

**120 HR**

Trend  
Review

**200**

Alarm

**16,000,000**

Measurements  
(Spot & Round Mode)

# 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

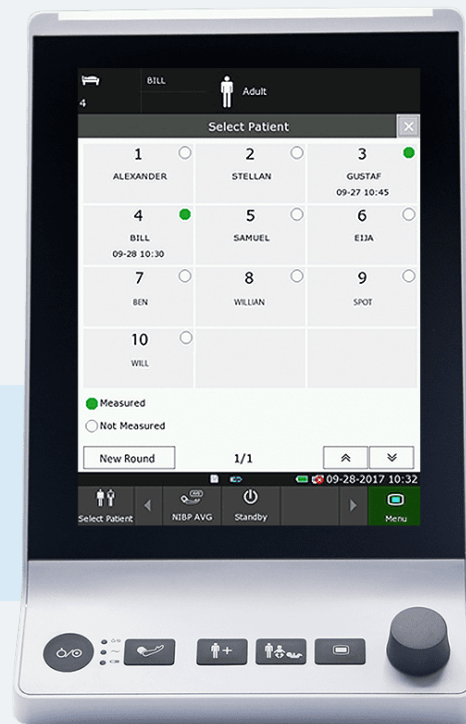
**Optional Parameters:** Nellcor OxiMax™ SpO2, SunTech NIBP, Covidien Oral Temp, Infrared Ear Temp, Quick Oral Temp, Non-Contact Temp, & Exergen Temporal Temp

# 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



# TEMP Modules

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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

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## 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

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## 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.DB9**
- 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**
- Covidian Oral Temp Kit — **02.04.241063**
- Covidian 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) × 262mm (H) × 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, 250VAC

## Battery 1

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

## Battery 2

Capacitance: ≥ 4800 mAh  
Operating Time: ≥10 hrs  
Fast Changing Time: ≤6 hrs  
Charging Time: Monitor on: ≤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 SpO<sub>2</sub>:  
≤20 sets for single patient NIBP: ≤20 sets  
for single patient TEMP: ≤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

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

## Interfaces & 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 Mod

(unit: minutes):1/2/3/4/5/10/15/30

/60/90/120/180/240/360/480 Continuous: 5 min,  
interval is 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: ±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±3 mmHg **Pediatric:**  
245 mmHg±3 mmHg **Neonatal:** 147  
mmHg±3 mmHg

## PR

Measuring Range: 40 bpm to 240 bpm Accuracy: ≥  
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: ±3 bpm  
(20 bpm to 250 bpm) Resolution: 0.1 C  
Accuracy: Monitor Mode: ±0.1 C (25~45C) Response  
Time < 60 s  
Time for predicting: < 30 s  
Monitor Mode: ±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: ±0.2 C (0.4 F  
(35.5 C~42 C)(95 F~107.6 F)  
±0.3 C (0.5 F  
(out of the range mentioned above) Laboratory  
Accuracy: ±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: ±0.1 C Quick  
Predictive Mode: ±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

## SpO<sub>2</sub>

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

**Adult/ Pediatric:** ±2% (70% to 100%  
SpO<sub>2</sub>) Undefined (0% to 69% SpO<sub>2</sub>)  
**Neonate:** ±3% (70% to 100%  
SpO<sub>2</sub>) Undefined (0% to 69% SpO<sub>2</sub>)

Measuring Range: 0-10

PI:

Resolution: 1

Pulse Rate:

Measuring Range: 25 - 300 bpm  
Resolution: 1 bpm  
Accuracy: ≥2 bpm

## TAT5000S

Clinical Accuracy ± 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 °C 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: ±0.3 °C (93.2 °F-94.8 °F: ±0.5 °F);  
35.0 °C-42.0 °C: ±0.2 °C (95.0 °F-107.6 °F: ±0.4 °F);  
42.1 °C-43.0 °C: ±0.3 °C (107.8 °F-109.4 °F: ±0.5 °F);  
Surface mode: ±2° (±3.6 °F)  
Display Resolution 0.1 °C or 0.1 °F  
Auto Power Off Time ≤ 18 s  
Measuring Time ≤ 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