

MDPRO4000

Patient Monitor

The MDPRO4000 puts reliable monitoring technologies at your fingertips. With its accurate readings and optimized performance, the MDPRO4000 can meet basic monitoring needs, bringing you easy access to high-quality healthcare for all patients.

- High-resolution color TFT-LCD screen
- Pacemaker detection
- Defibrillation and electrosurgical interference protection
- Pitch tone (pulse-tone modulation)
- Unique iSEAPTTM algorithm optimized for arrhythmia patients
- Dual-mode anti-interference pulse Oximetry
- SP10 Validated NIBP
- Built-in rechargeable Li-ion battery

Standard Parameters: ECG (3-5 Lead), HR, RESP, SpO2, NIBP, PR, 2-Temp
Standard Features: 12" screen, Dual IBP Slots, VGA Output, 96-hour trend storage, LAN connection, USB
Optional Configurations & Features: 2-IBP, Respiration CO2 (Mainstream and Sidestream), G2 CO2 (Sidestream) Thermal Recorder, Nurse Call (with CMS)

500

NIBP
Measurement

96 hr

Trend
Review

60

Alarm
Review

720 s

Frozen
Waveform



Easy-to-carry Design

MDPRO4000's easy-to-carry design enables healthcare providers to monitor their patients' health status from almost anywhere.

Display Modes



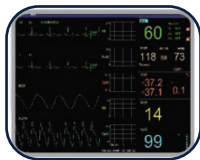
3/5 lead ECG analysis



OxyCRG for Neonate



Large Font



Trend Screen

End Tidal Carbon Dioxide Monitoring



MDPRO G2 CO2 (sidestream)

Superior water trap design for accurate monitoring
iCARBTM algorithm with
Intelligent CO2 pseudo wave identification technology

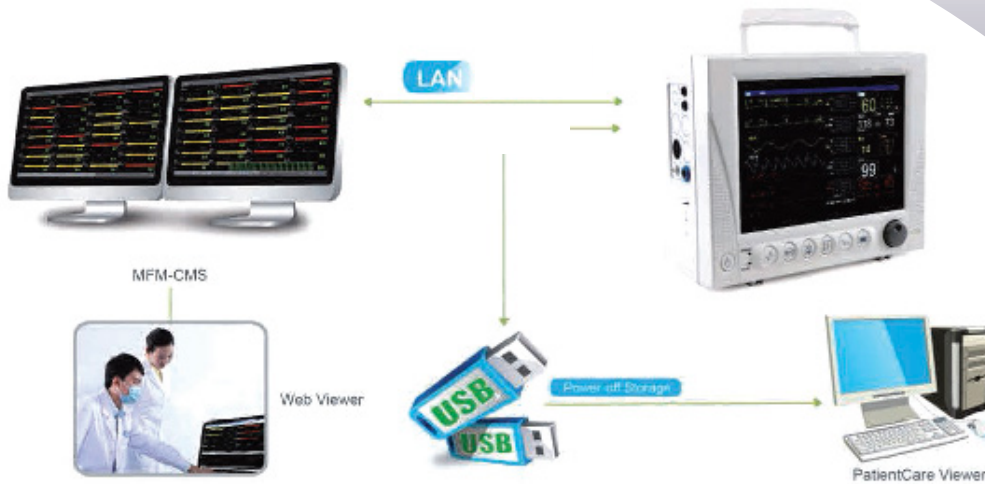
Respironics CO2 (mainstream/sidestream)

Plug & play module design
Dehumidification tube instead of water trap
Low sampling rate of 50ml/min

Respironics CO2 (Mainstream/Sidestream, Optional)



Proven ruggedness solid state design
No need to calibrate on a regular basis
Sidestream sampling rate of 50ml/min



Specifications:

Physical Specification

Device Dimension:
320 mm (L) x 150 mm (W) x 265 mm (H)
Weight: approx. 5 kg

Display

Color TFT LCD: 12.1"
Resolution: 800x600
Traces Displayed: Up to 8
Waveforms Displayed: Up to 11
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

ECG

Lead Type: 5-lead and 3-lead selectable
Gain: Auto, x 0.125, x 0.25, x 0.5,
x 1, x 2, x 4
Sweep Speed: 6.25, 12.5, 25, 50 mm/s
ECG HR Range:
Adult: 15-300 bpm
Pediatric / Neonate: 15-350 bpm
Resolution: 1 bpm
Accuracy: +1 bpm or +1%
Filter:
Diagnostic Mode: 0.05 ~ 150 Hz
Monitoring Mode: 0.5 ~ 40 Hz
Surgical Mode: 1~20 Hz
ST-Segment Detection:
Measurement Range: -2.0 mV~2.0 mV
Alarm Range: -2.0 mV~2.0 mV

RESP

Method: Trans-thoracic impedance
Operation Mode: Auto/Manual
RR Measurement Range:
Adult: 0~120 rpm
Neonate/Pediatric: 0~150 rpm
Resolution 1 rpm
Apnea Alarm Threshold:
10, 15, 20, 25, 30, 35, 40 s
Band Width: 0.2-2.5 Hz (-3 dB)
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

SpO2

Measurement & Alarm Range:
0~100% (SpO2)
Resolution: 1%;
Accuracy: +2% (70~100%, Adult/
Pediatric)
+3% (70~100%, Neonate)
PR Measurement:
Resolution: 25~300 bpm
1 bpm
Refresh Rate: 1 second

NIBP

Method: Automatic Oscillometric
Operation Modes: Manual/Automatic/
Continuous
Auto Measurement Time Interval:
1, 2, 3, 4, 5, 10, 15, 30, 60, 90,
120, 240, 480 minutes
Measurement Unit: mmHg/kPa
Measurement Types: Systolic, Diastolic,
Mean, Pressure Range:
Adults:
Systolic: 40~200 mmHg
Diastolic: 10~160 mmHg
Mean: 20~235 mmHG
Pediatrics:
Systolic: 40~200 mmHg
Diastolic: 10~150 mmHg
Mean: 20~165 mmHG
Neonates:
Systolic: 40~135 mmHg
Diastolic: 10~100 mmHg
Mean: 20~110 mmHG
Resolution: 1 mmHg
Accuracy:
Max Mean Error: +5 mmHg
Max Standard Deviation: 8 mmHg
PR from NIBP Measurement Range:
40~240 bpm
Resolution: 1 bpm
Accuracy: 3 bpm or 3.5%
SP10:2002

IBP (2 Channels, optional)

Measurement Pressure:
ART, PA, CVP, RAP, LAP, ICP, P1, P2
Measurement Range: -50~300 mmHg
Resolution: 1 mmHg
Accuracy: +2% or +1 mmHg
(whichever is greater, without probe)
Sensitivity: 5 μ V/V/mmHg
Impedance Range: 300~3000 Ω

Philips Respironics CO2 (Optional)

Type: Sidestream/Mainstream
Range: 0~150 mmHg
Accuracy: +2 mmHg 0~40 mmHg,
+5% 41~70 mmHg
+8% 71~100 mmHg
+10% 101~150 mmHg
AwRR Accuracy: +1 rpm

CO2 Sidestream

Range: 0~13% (0~100 mmHg)
Accuracy: +2 mmHg < 5.0% CO2
<6% of the reading >5.0% CO2
Sample Flow Rate: 100~200 ml/min

Temperature (2 Channels, 1 probe by default)

Measurement/Alarm Range:
Resolution: 0~50 oC (32~122 oF)
Accuracy: 0.1 oC
Channel: +01 oC (without probe)
Dual-channel. Provide T1; T2; T

Thermal Recorder (Optional)

Print Speed: 25, 50 mm/s
Power Supply
AC Power: 100~240 V AC, 50/60 Hz
Battery: 14.8 V Rechargeable Li-ion
Battery