

NIGHTINGALE™ PPM2

Technical Data



General

Dimensions:	11.3"W x 7.2"H x 2.4"D
Weight:	4.5 lb (2.0 Kg)
Finish:	ABS
Power Requirements:	100 – 240 VAC (0.7 A max)
Mains Frequency Range:	50 – 60 Hz
Power Consumption:	12W nominal, 25W (when charging battery)
Standards Conformance:	UL 60601-1, FCC Part 15 (Class A), CSA C22.2 No. 601.1-M90 IEC 60601-1, IEC 60601-1-2 (Class A), IEC 60601-1-4, IEC 60601-2-27, EN 865
Degree of Protection:	Electrical – UL 60601-1, FCC Part 15 (Class A),

Battery

Type:	Lithium-Ion Rechargeable
Discharging Time:	4 hours (minimum), 5 hours (typical)
Charging Time:	5 hours
Charging Method:	Battery is charged while monitor is connected to the mains supply

Environmental

Cooling:	Convection (no fan)
Operating Temperature:	59 to 95 °F (15 to 35 °C)
Storage Temperature:	-4 to 122 °F (-20 to 50 °C)
Operating Humidity:	>30% to <80% non-condensing
Storage Humidity:	>10% to <80% non-condensing

Display

Type:	Active Matrix LCD
Area:	6.925 x 5.3 inches (8.4 inches diagonal) 176 x 134.6 mm (213.35 mm diagonal)
Matrix:	640 x 480 pixels
Number of Channels:	3
Sweep Speed:	6.25, 12.5, 25 mm/s

Non Invasive Blood Pressure

Method:	Oscillometric
Cuff:	Infant, Child, Small Adult, Adult, Large Adult
Derived Parameters:	Systolic, Mean, Diastolic
Resolution:	1 mmHg
Measurement Range:	Systolic: 30 to 250 mmHg Mean: 20 to 230 mmHg Diastolic: 10 to 210 mmHg
Measurement Accuracy:	Sys: ±5mmHg (s < 8mmHg) Mean: ±5mmHg (s < 8mmHg) Dia: ±5mmHg (s < 8mmHg)
Pulse Rate Range:	30 to 240 bpm
Pulse Rate Accuracy:	±5% or ±2 bpm, whichever is greater
Measurement Modes:	Single Measurement or Auto (Interval) Measurement
Auto Measurement Settings:	Off, 3, 5, 10, 15, 30, 60, 120 minutes

ECG

Accessories:	3-lead cable, 5-lead cable
Displayable Leads:	3-lead cable: II 5-lead cable: I, II, III, V
HR Resolution:	1 bpm (beats per minute)
Measurement Range:	15 to 300 bpm
Measurement Accuracy:	±2 bpm or ±1%, whichever is greater
Notch Filter Frequency:	50Hz, 60Hz, Off
Monitor Bandwidth:	0.4Hz to 50Hz (-3dB)
Pacer Pulse Detection:	Lead II
Pulse Tone:	Yes

Respiration

Method:	Impedance Pneumography
RR Resolution:	1 bpm (breaths per minute)
Measurement Range:	2 to 120 bpm
Measurement Accuracy:	±3 bpm
Measurement Sensitivity:	0.25 ohms (minimum)

Pulse Oximetry

Method:	Absorption – Spectrophotometric
SpO2 / PR Resolution:	SpO2: 1 O2%; PR: 1 bpm (beat per minute)
Measurement Range:	SpO2: 20 to 100% PR: 30 to 240 bpm
Measurement Accuracy:	SpO2: from 70 to 100%: ±2% (O2%) PR: ±5%
Pulse Tone:	Yes (pitch tied to SpO2 parameter value)

Temperature

Compatibility:	YSI 400-series probes
Measurement Resolution:	0.1 °F (0.1 °C)
Measurement Range:	32.0 to 122.0 °F (0.0 to 50.0 °C)
Measurement Accuracy:	±0.1 °F (±0.1 °C) plus probe tolerance



SCHILLER

The Art of Diagnostics

888-845-8455 • 786.845.0620
2131 NW 79th Avenue • Doral, Florida 33122