

BW2A

Desktop Pulse Oximeter (SpO2/ PR)



Product Features

- ◆ Bright, Easy-to-read LED numerals
- ◆ Durable, compact and lightweight
- ◆ Long-life internal rechargeable battery for uninterrupted monitoring
- ◆ Accurate, reliable readings during motion and low perfusion
- ◆ Audible/visual three level alarms with alarm volume control
- ◆ 72-hour data memory allowing on-screen viewing of SpO2 and pulse rate trend
- ◆ Application: Adult, Pediatric and Neonate
- ◆ Optional Built-in thermal printer
- ◆ Able to connect to Nurse call network
- ◆ RS232 port for external printer and central monitoring

Standard:



Adult Finger

Optional:



Pediatric Finger



Adult Soft-Finger



Pediatric Soft-Finger



Adult/Neonatal Wrap



Neonatal Y-Type

Technical Specification

SpO2 Accuracy:

No Motion:

Adults, Pediatrics: 70~100% $\pm 2\%$
0~69% unspecified
Neonates: 70~100% $\pm 3\%$
0~69% unspecified

Motion:

Adults, Pediatrics: 70~100% $\pm 3\%$
0~69% unspecified
Neonates: 70~100% $\pm 4\%$
0~69% unspecified

Low Perfusion:

Adults, Pediatrics: 70~100% $\pm 3\%$
0~69% unspecified
Neonates: 70~100% $\pm 4\%$
0~69% unspecified

Pulse Rate Accuracy

No Motion:

Adults, Pediatrics, Neonates: $\pm 3\%$

Motion:

Adults, Pediatrics, Neonates: $\pm 5\%$

Low Perfusion:

Adults, Pediatrics, Neonates: $\pm 5\%$

Displays and Indicators

SpO2, Pulse Rate and Pulse Strength Bar
Pulse Search Indicator
Low Perfusion and Motion Warning Indicator
Alarm Silence Indicator
AC Power and Battery Charge Indicator
Low Battery Warning Indicator
Sensor Disconnect and Sensor off Warning Indicator

Alarm

Audible/Visual Alarms for High/Low SpO2 and PR
Audible/Visual Alarms for Low-Battery
Alarm Limits Adjustable
Alarm Volume Adjustable
Pulse Search Indicator
Alarm Silence Interval: 30, 60, 90 and 120 sec and OFF
Low Perfusion and Motion Warning Indicator
Sensor Disconnect Alarm
Sensor off Alarm

Performance Measurement Range

SpO2: 0~100%
Pulse Rate: 20bpm~250bpm

Environment

Operation Temperature: 5~40°C (41~104°F)
Humidity: $\leq 80\%$
Altitude: -390~5,000m (-1,280~16,404ft)
Transport/Storage Temperature: -20~+70°C (-4°F~158°F)
Humidity: $\leq 95\%$

Output

RS-232 Serial Port for Digital Output
Nurse Call Function

Power Requirements:

100~240VAC, 50/60Hz, 20VA
Fuse Rating: 1.0A

Battery

Internal Battery: 12V 3.6Ah
Battery Capacity: ≥ 24 hours

Dimension & Weight

264mm(W) x 95mm(H) x 172mm(D)
[10.39in(W) x 3.74in(H) x 6.77in(D)]
Net Weight: 2.5kg/5.5lb
Gross Weight: 3.5kg/7.7lb

Compliance

SpO2: ISO9919:2005
Safety Standards:
EN60601-1: 1990+A1: 1993+A2:
1995+A13: 1996 Type BF-Applied
IPX1 Approved
Alarm: IEC60601-1-1-8: 2005
EMC: EN60601-1-2: 2001, Group1 ClassA
Environment: WEEE(2002/96/EC)

Thermal Printer(Optional)

Prints Graphical and Tabular Trend