

Burdick[®] OXY 200

Pulse Oximeter



Complete digital pulse oximetry—anytime, anywhere, any patient.

- Patented digital SpO₂ technology for difficult-to-monitor patients
- Spot-check or continuous monitoring
- Pre-configured modes for home use, sleep screening and clinical applications
- Compatible with popular PC software
- Infrared link to printer
- Simple 5-key operation
- Easy-to-read LED display
- Compact and durable
- Supports full line of sensors
- Battery or optional AC operation

Technical Specifications

Dimensions:	1.43" x 2.75" x 6.60" (36.32 mm x 69.85 mm x 167.64 mm)
Weight:	21 oz. (595 g) (with batteries and optional protective boot)
Display:	
SpO ₂	LED numeric, 0.43" (10.9 mm) high
Pulse rate	LED numeric, 0.43" (10.9 mm) high
Pulse strength	Logarithmically-scaled 8-segment LED bar graph
Indicators	Low battery; sensor alert; alarm silence; artifact
LEDs	High priority (red); low priority (yellow); line power (green)
Input/Output:	RS232C (for trend data only)
Data Storage:	
Capacity	14 hours at 30 sec. intervals
Intervals	4 sec. to 30 sec. in 1 sec. steps (user-adjustable)
Keys:	On/off; print; alarm silence; up arrow; down arrow; alarm select
Sensors:	
Red	660 nm, 2 mW (typical)
Infrared	905 nm, 2 mW to 2.4 mW (typical)
Power Requirements:	
AC operation (optional)	90/115/230 V AC ±10%, 50/60 Hz
Battery operation	6 alkaline AA-cell batteries (IEC type LR6)
Duration	24 hours continuous operation without printing
Auto shutoff	After 2 minutes of non-use
Acquisition:	
SpO ₂	
Range	0% to 99% functional SpO ₂ in 1% increments
Accuracy	±2 digits at 70% to 99%; ±3 digits less than 70%
High/low alarms	50% to 99% and off (default) in 1% increments
Averaging	4/8/16 pulse beats (user-selectable)
Display update rate	1 Hz (SpO ₂); 60 Hz (pulse strength)
Calibration	Factory calibrated. No in-service calibration required.
Pulse rate	
Range	30 bpm to 254 bpm in 1 bpm increments
Accuracy	±2% or 2 bpm, whichever is greater
High/low alarms	5 bpm to 250 bpm and off (default) in 1 bpm increments
Averaging	8 or 16 seconds (user selectable)
Display update rate	1 Hz
Environmental Specifications:	
Operating	
Temperature	32°F to 131°F (0°C to 55°C)
Relative humidity	15% to 95% non-condensing
Storage	
Temperature	-40°F to 167°F (-40°C to 75°C)
Relative humidity	10% to 95% non-condensing
Conforms To Standards:	EN60601-1:1990; CSA c22.2 No. 125; UL 544
Mechanical durability	
Vibration testing	IEC 68-2-34, IEC 68-2-6, and MIL-STD-810E, Method 514.4
Shock testing	IEC 68-2-27
Drop testing	IEC 601-1, Section 21.5
Safety:	
Protection against	
Electric shock	Internally powered, Class II with functional Earth, Type CF
Ingress of liquids	IPX1, drip-proof
Mode of operation	Continuous
Degree of mobility	Portable
Warranty:	2 years parts and labor

	OXY 100	OXY 200
Spot-check capability	✓	✓
Home-use mode		✓
Sleep-screening mode		✓
Clinician mode		✓
Advance digital acquisition		✓
User-selectable averaging		✓
User-adjustable alarms		✓
Optional printer		✓
Trend & real-time reports		✓
Download data to PC	✓	✓
Management software available		✓
Convenient "AA" batteries	✓	✓
24-hour operating time	✓	✓
Optional AC adapter		✓
Sensors available:		
Infant through adult	✓	✓
Multiple sites	✓	✓
Disposable & reusable	✓	✓
Two-year warranty	✓	✓

Ordering Information

92522-1A	Burdick OXY 200 includes finger sensor, instructional manuals, 6 AA alkaline batteries, oximetry cable (5 ft.)	047173 047174 047171 047170	Reusable finger sensor, adult Reusable ear sensor, adult Reusable foot sensor, neonate Reusable toe sensor, infant
92522-1AB	Same as 92522-1A with printer	047172	Reusable universal Y sensor
92522-1	Same as 92522-1A without sensor	047176	Disposable finger/toe sensor, adult (10/box)
010-1354-00	Protective boot with strap	047175	Disposable finger/toe sensor, pediatric (10/box)
010-1347-00	115 V AC power supply	047177	Disposable hand/foot sensor, neonate (10/box)
900-0036-00	UpTime™ extended warranty and service contract	047178	Disposable finger/toe sensor, infant (10/box)

Phone: 800-777-1777, 608-764-1919 Fax: 608-764-7190 www.burdick.com info@burdick.com