

The BURDICK® OXY 100 Pulse Oximeter

Our pulse oximeter that gives fast and accurate spot oxygen (SpO₂) and heart rate measurements

Primary Users

Physicians, clinicians, nurses who perform spot-checking or bedside monitoring in home care, and clinical environments

Primary Benefits

Ease of use. The unit is very intuitive and simple to use.

Convenience. The hand-held unit displays SpO₂ and pulse information on clear, easy-to-read LED displays.

Flexible. The OXY 100 supports a full line of sensors – from neonate to adult.

Communications. The unit enables downloading of data to your PC.



Dependable SpO₂ measurements are always within reach

Our durable OXY 100 quickly obtains reliable SpO₂ information. It's perfect for the private practice or clinic.

- + Enjoy its lightweight size – it weighs only 13 oz (369 g).
- + Use the audible pulse rate indicator to complement the clear LED displays.
- + Save on batteries and keep the unit ready to go with its power-saving automatic shutoff.

Cardiac Science™ products are among the most trusted in the industry. Our Burdick® brand has a rich legacy and well-earned reputation for quality, innovation, ease of use, and durability. You can depend on us for excellent products and service.

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TECHNICAL SPECIFICATIONS	
DATA STORAGE	14 hours at 30 second intervals
SENSORS Red Infrared	660 nm, 2 mW (typical) 905 nm, 2 mW to 2.4 mW (typical)
POWER REQUIREMENTS Battery operation Battery duration Auto shutoff	4 alkaline AA-cell batteries (IEC type LR6) 24 hours continuous operation After 2 minutes of non-use
INPUT/OUTPUT	RS232C (for trend data only)
ACQUISITION SpO ₂ Range Accuracy Averaging Display update rate Calibration Pulse rate Range Accuracy Averaging Display update rate	0% to 99% functional SpO ₂ in 1% increments +/- 2 digits at 70% to 99%; less than 70% is unspecified 8 pulse beats 1 Hz (SpO ₂); 60 Hz (pulse strength) Factory calibrated. No in-service calibration required. 30 bpm to 254 bpm in 1 bpm increments +/- 2% or 2 bpm, whichever is greater 8 seconds 1 Hz
CONFORMS TO STANDARDS Vibration testing Shock testing Drop testing	IEC 68-2-34 IEC 68-2-6 MIL-STD-810E, Method 514.4 IEC 68-2-27 IEC 601-1, section 21.5
SAFETY STANDARDS	EN 60601-1:1990 CSA C22.2 no. 125 UL 544
SAFETY Protection against electric shock Protection against ingress of liquids	Internally powered, type BF IPX1, drip-proof
DISPLAY SpO ₂ Pulse rate Pulse strength Low battery indicator	LED numeric, 0.43 in (10.9 mm) high LED numeric, 0.43 in (10.9 mm) high Logarithmically-scaled 8-segment LED bar graph 1-segment LED
KEYS	On/off; clear ID; speaker silence
ENVIRONMENTAL Operating temperature Operating relative humidity Storage temperature Storage relative humidity	32°F to 131°F (0°C to 55°C) 15% to 95% non-condensing -40°F to 167°F (-40°C to 75°C) 10% to 95% non-condensing
DIMENSIONS (H x D x W)	6.60 in x 1.43 in x 2.75 in (167.64 mm x 36.32 mm x 69.85 mm)
WEIGHT	13 oz (369 g) (with batteries)
WARRANTY	2 years parts and labor

ORDERING INFORMATION	
STANDARD CONFIGURATION	
92521-1A	OXY 100 includes finger sensor, instructional manual, 4 AA alkaline batteries
92521-1	Same as 92521-1A without sensor
ACCESSORIES AND UPGRADES	
010-1353-00	Protective rubber carrying case with strap
047173	Reusable finger sensor, adult
047174	Reusable ear sensor, adult
047171	Reusable foot sensor, neonate
047170	Reusable toe sensor, infant
047172	Reusable universal Y sensor
047176	Disposable finger/toe sensor, adult (box of 10)
047175	Disposable finger/toe sensor, pediatric (box of 10)
047177	Disposable hand/foot sensor, neonate (box of 10)
047178	Disposable finger/toe sensor, infant (box of 10)

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