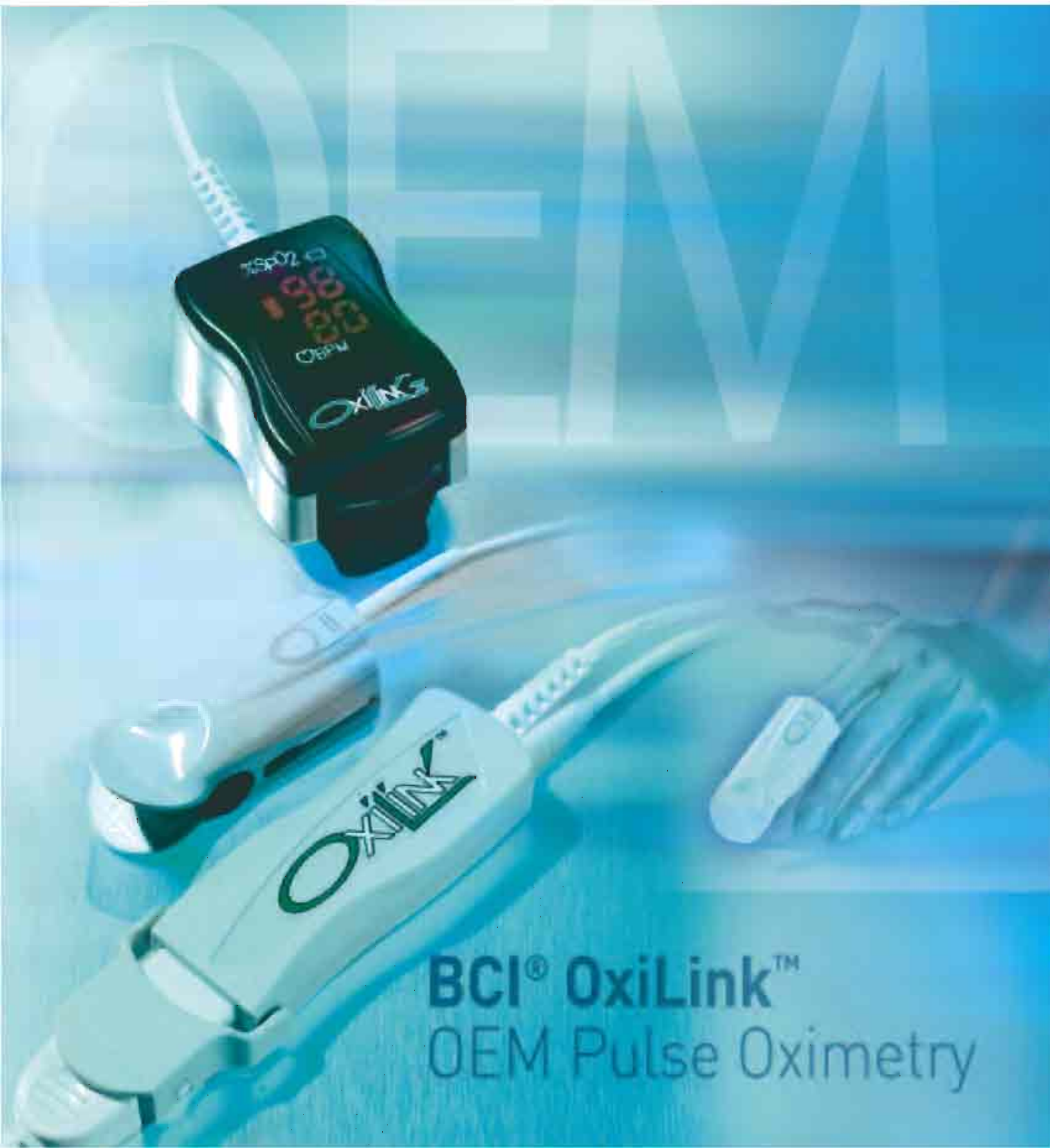


smiths



BCI® OxiLink™
OEM Pulse Oximetry

OEM

Oximetry expertise you can depend on.

Smiths Medical PM, Inc's BCI® patient monitoring products have developed a global reputation for reliability, cost-effectiveness and ease of use, in both finished devices and OEM applications. In fact, Smiths Medical PM, Inc. has more than two decades of experience in supplying dependable BCI® OEM technologies to numerous industry leaders. What's more, well known products such as the Digit® Finger Oximeter demonstrate an ongoing commitment to consistently deliver leading oximetry technologies.



The Oxilink™ Oximetry line of OEM solutions offers you the flexibility needed to easily interface pulse oximetry to a host of medical devices. Two product families, the OxiLink™ and OxiLink™ II, provide oxygen saturation and pulse rate interfacing capabilities with a variety of options, including serial (RS232) and USB communication protocols. A simple Plug-n-Play concept minimizes engineering time and simplifies the interfacing to your host device... be it a polysomnograph, Holter system, spirometer or telemedicine device. Plus, minimal power draw, a highly compact size and patient isolation capabilities further simplify your engineering requirements, while reliably satisfying your customers' needs for quality oximetry.



OxiLink™ OEM Oximeter

- Offers users a choice of sensors for greater flexibility
- Choice of 2 connector options: serial output (RS232) or USB
- Low power draw (25 mW)
- Quick, easy Plug-n-Play interface
- 1.5kV patient isolation



OxiLink™ II OEM Oximeter

- Available with or without display to tailor the popular design of the BCI® Digit® Oximeter to a specific customer's need
- Choice of 3 connector options: serial output (RS232), phono jack or USB
- Low power draw (40 mW)
- Quick, easy Plug-n-Play interface
- 1.5kV patient isolation



BCI® OxiLink™ Specifications

SPECIFICATIONS	OxiLink™	OxiLink™ II
SpO₂		
Range	0-99% (1% increments)	0-99% (1% increments)
Accuracy (Specifications may vary depending on sensor used)	Adult: ±2% at 70-99% SpO ₂ <70% is undefined Neonate: ±3% at 70-99% SpO ₂ <70% is undefined	Adult: ±2% at 70-99% SpO ₂ <70% is undefined
Averaging	8 pulse beat average and instantaneous	8 pulse beat average and instantaneous
Pulse Rate		
Range	30-254 BPM (1 BPM increments)	30-254 BPM (1 BPM increments)
Accuracy	±2 BPM or ±2% (whichever is greater)	±2 BPM or ±2% (whichever is greater)
Averaging	8 second average	8 second average
Signal Strength	0-8 indicates logarithmic strength of patient's pulse from 30-254 BPM	0-8 indicates logarithmic strength of patient's pulse from 30-254 BPM
Bargraph	0-15 segments	0-8 segments
Patient Isolation	1.5kV, provided by device	1.5kV, provided by device
Power Requirements	As low as 25 mW	As low as 40 mW
Dimensions	3.25" W (8.3 cm) 1.08" D (2.7 cm) 0.57" H (1.5 cm)	1.70" W (4.3 cm) 1.50" D (3.8 cm) 2.25" H (5.7 cm)
Flags	Pulse beep No finger in sensor Sensor unplugged Searching for pulse Searching too long	Pulse beep No finger in sensor
Communication/Power Options		
Serial	RS232 USB	RS232 USB CMOS level communication through low profile connector

For more information, please call Smiths Medical PM, Inc., at 262-542-3100, or 800-558-2345.

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BCI® OEM Technology

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The products described are covered by one or more of the following U.S. Patent Nos. D455,834; 6,654,621; other patents pending.

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