smiths medical

bci®

BCI® SPECTRO$_2$ LOGIX®
Patient Monitoring Software

Designed with you in mind

SPECTRO$_2$ LOGIX®
CLINICAL ANALYSIS SOFTWARE

SPECTRO$_2$ LOGIX® clinical analysis software stream-lines pulse oximetry data collection and helps eliminate documentation errors during:

- Sleep screening
- Oxygen evaluation
- 6-Minute walk tests
- Ambulatory analysis

Designed with clinicians for clinicians, SPECTRO$_2$ LOGIX® clinical analysis software provides more diagnostic analysis capabilities than other pulse oximetry software, including:

- The proprietary sleep disorder probability index, or SDPI™ assessment tool to indicate the relative potential a patient may suffer from sleep disordered breathing
- Borg® scale – helps to measure a patient's perceived rate of exertion without manual calculations

Through innovation and engineering superiority in the field of Pulse Oximetry and Sleep Screening, the BCI® brand of Smiths Medical offers SPECTRO$_2$ Pulse Oximeters, a comprehensive Pulse Oximetry portfolio designed to assist clinicians with patient monitoring ranging from day-to-day wellness checks to more in-depth patient monitoring for efficacy of respiratory treatments.

The SPECTRO$_2$ LOGIX® Clinical Analysis Software application is a unique pulse oximetry software tool designed for exclusive use with the SPECTRO$_2$ Pulse Oximeters. Serving as a centralized data management and analysis system, it captures demographic, visit, medication history and pulse oximetry testing information for each patient, seamlessly delivering analysis and reporting capabilities of the pulse oximetry data.

Customizable reports allow the clinician to select, zoom in on, and even remove specific data segments of the analysis. After identifying and capturing the pertinent test information, a report can be printed and used for further analysis by other clinicians or submitted for reimbursement claims.
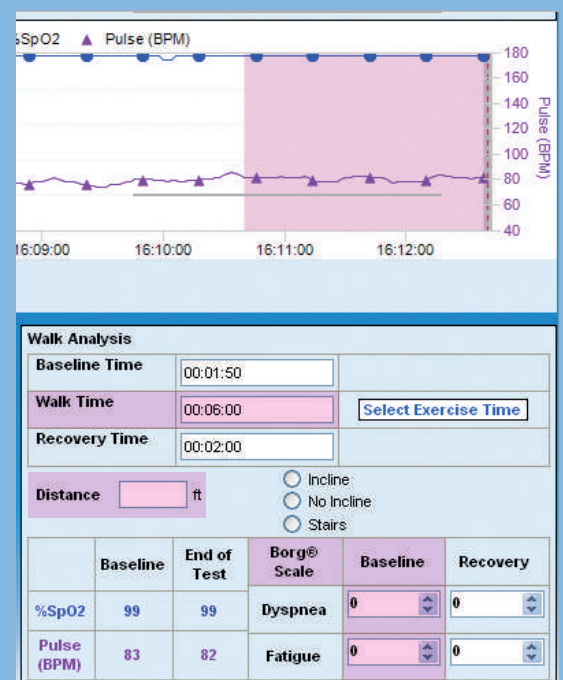
Features such as a modified Borg® scale and the Sleep Disorder Probability Index, or SDPI™ assessment tool, which is proprietary to the BCI® SPECTRO$_2$ LOGIX® software, help to accelerate patient assessments by providing immediate analysis to assist in determining the patient care plan in a timely manner. The automatic transfer of pulse oximetry data to SPECTRO$_2$ LOGIX® software can also help reduce paperwork and documentation errors, and the analysis data can be stored for future use.

AMBULATORY AND SIX MINUTE WALK TESTS (6MWT)

The Ambulatory and Six Minute Walk Tests (6MWT) provide the clinician with the ability to record oxygen saturation and heart rate levels to assess the patient's oxygen needs. The 6MWT is a very simple diagnostic test to help assess a patient's exercise tolerance over a period of six minutes.

The patient walks at his own intensity as the data is captured by the SPECTRO$_2$ pulse oximeter. The data is then transferred to SPECTRO$_2$ LOGIX® to quickly help the clinician assess the relative degree of exertion as perceived by the patient by utilizing a modified Borg® Scale.

Enter other pertinent information such as baseline readings, time and distance walked.

SLEEP SCREENING AND OXYGEN EVALUATION

The Oxygen Evaluation Test is usually performed in the patient's home during sleep. A clinician will show the patient how to use the pulse oximeter. Once captured, the data can be downloaded to the application on a PC in the physician's or testing facility's offices for evaluation.

Sleep Screening is used to screen for sleep disordered breathing, primarily Obstructive Sleep Apnea (OSA). Based on criteria identified by the American Academy of Sleep Medicine, SPECTRO$_2$ LOGIX® Clinical Analysis Software utilizes its proprietary Sleep Disorder Probability Index, or SDPI™ assessment tool, to assist in determining a patient's probability of having a Sleep Disorder.

The SDPI™ assessment tool rates the relative probability that the patient may suffer from sleep-disordered breathing and require further testing in the sleep lab.

The Sleep Disorder Probability Index or SDPI™ is one of the most unique features of the SPECTRO$_2$ | LOGIX® Clinical Analysis Software application.

THE BCI® SPECTRO$_2$® PULSE OXIMETERS

SPECTRO$_2$ LOGIX® Clinical Analysis Software is for exclusive use with the Smiths Medical BCI® brand of SPECTRO$_2$ Pulse Oximeters.
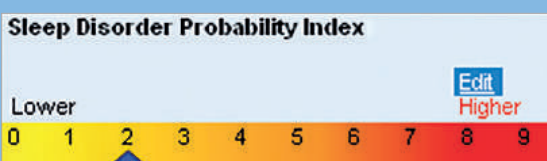
- SPECTRO$_2$ 10 Pulse Oximeters Reliable results at an affordable cost.
- SPECTRO$_2$ 20 Pulse Oximeters Patented BCI® serial autocorrelation technology delivering reliable results in challenging clinical settings such as low perfusion and motion.
- SPECTRO$_2$ 30 Pulse Oximeters Patented BCI® brand serial autocorrelation technology with low perfusion performance and motion tolerance. Audible and visual alarms, as well as a remote nurse call alarm allow healthcare providers to monitor remotely and help promote patient safety.

When monitored real-time by a clinician, the SPECTRO$_2$ 10 Pulse Oximeters and SPECTRO$_2$ 20 Pulse Oximeters are ideal for the 6MWT and other ambulatory analyses.

SPECTRO$_2$ 30 Pulse Oximeter is used to monitor the efficacy of respiratory treatments, and is ideal for use in obtaining Oxygen Evaluation and Sleep Screening analyses.

Event	Start Date / Time	Stop Date / Time	Duration	Min %SpO2	Avg. BPM	Max. BPM	Min. BPM

Duration of the longest occurrence with %SpO2 <= 88: 00:00:00
Start time for this occurrence: --
Total Number of Events: 0

This analysis shows Mean and Longest Durations of desaturation events. It also lists the 50 deepest desaturation events, their minimum %SpO^2, minimum and maximum pulse rate and duration.

Rates the relative probability that the patient may suffer from sleep-disordered breathing and require further testing in the sleep lab.

SPECTRO2® Pulse Oximeters

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bringing technology to life

SPECTRO$_2$ LOGIX® CLINICAL ANALYSIS SOFTWARE SYSTEM REQUIREMENTS:

The following is required to run the ww1021 software:

- Pentium® processor
- Windows® 10 (service pack 3) 32-bit (x86)
- Net framework 2.0 (Automatically installs when ww1021 software installs)
- Crystal reports for .Net framework 2.0 (Automatically installs when ww1021 software installs)
- Microsoft® sql server® 2005 express edition sp2 (automatically installs when ww1021 software installs)
- 1 Gb ram minimum
- 1 Gb hard drive space minimum
- Screen resolution of 1024 x 768 required (1280 x 1024 resolution recommended)

CATALOG NUMBER – WW1021SYS INCLUDES:

- Ww1021 SPECTRO$_2$ LOGIX® clinical analysis software
- Ww1089 usb cable

Distributed by

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www.smiths-medical.com

The BCI® WW1021 is intended for use with any oximeter/device which supports the BCI® Communication Protocol 1030 (BCICP 1030), if the device is connected to the PC through the USB port. It can be used to view the data being recorded in real time; download the recorded data to the PC from the device; analyze and print the recorded data and can be used in sleep screening. It can show only visual alarms and cannot annunciate audio alarms. It is not intended to be used as a central station monitoring system or as a patient monitoring system. It may be used by physicians, respiratory therapists, nurses, certified nurse assistants, sleep technicians and other qualified health care providers. BCI® WW1021 may be used in the hospital or clinical environment.

PRODUCT(S) DESCRIBED MAY NOT BE LICENSED OR AVAILABLE FOR SALE IN CANADA AND OTHER COUNTRIES

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Rx ONLY

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