ProSim SPOT Light

Featuring an exclusive ergonomic design, the ProSim SPOT Light is the first comprehensive SpO_2 functional tester to come in a handheld easy-to-use device. SPOT Light is lightweight and flexible, with three custom presets specially-designed to make it the fastest and easiest-to-use device on the market today for pulse oximeter functional testing. A helpful LCD display and three simple buttons make it effortless to rapidly change parameters and view each signal output sent to the pulse oximeter at a glance. An interchangeable, long-life battery ensures uninterrupted all-day operation without the need to connect to a power supply.

SPOT Light sets up in seconds to send SpO_2 saturation, heart rate, perfusion, transmission, artifact noise, and eight different manufacturers custom R-curves to a pulse oximeter or patient monitor. It is designed to take the abuse of everyday use, including the stress of transportation, moving from room to room and device to device, and the occasional fall from the workbench.

An increasing number of medical devices now have pulse oximetry built in. SPOT Light can be paired with other Fluke Biomedical test tools to make modern device testing task fast and easy. Need to check a defibrillator with pulse oximetry? SPOT Light with the Impulse 7000 Defibrillator Analyzer allow you to test any external defibrillator on the market today. Do you have a fleet of new patient monitors coming that require incoming inspection? Using SPOT Light with ProSim 4 Vital Signs Simulator enables you to easily accomplish this task in hours instead of days.

Key features

- Small, portable, and lightweight, weighing in at 8.8 oz
- Large, easy to read LCD display
- Rechargeable battery lasts 10 hours minimum
- Signal strength indicator
- SpO_2 Saturation 70% to 100%
- Heart rate: 30 BPM to 240 BPM
- Perfusion: 0.2%, 2% and 10%
- Transmission: dark/thick, normal and light/thin
- Artifacts: respiration and ambient light
- Three editable test sequences
- R-curves: 8 including Masimo, Nellcor and Nonin
- Expandable pairing capabilities

Specifications

Physical specifications	
Display	2¼" x 1½" LCD display
Size (WxDxH)	12.2 cm x 9.7 cm x 4.8 cm (4.8 in x 3.8 in x 1.9 in)
Weight	8.8 oz.
Electrical specifications	
Battery	
Type	Rechargeable Lithium-Ion
Charge time	Approximately two hours
Operating duration	Approximately ten hours minimum
AC adapter	
Input voltage	100 V ac to 240 V ac
Input frequency	50/60 Hz
Input current	0.5 A (rms)
Output voltage	6 V dc
Environmental specifications	
Operating temperature	0° C to 35° C (32° F to 95° F)
Storage temperature	-35° C to 50° C (-31° F to 122° F)
Operating humidity	20% to 80% RH (non-condensing)
Measurements	
SpO_2 saturation	70%, 75%, 80%, 85%, 90%, 95%, 97%, 98%, 99%, and 100%
Heart Rate	30, 40, 60, 65, 80, 100, 120, 140, 150, 180 and 240 BPM
Perfusion rate	0.2%, 2% and 10%
Transmission level (finger)	Dark/thick, normal and light/thin
Artifacts	Respiration or ambient light (50 Hz or 60 Hz)

Ordering information

Models/descriptions

4111101   ProSim SPOT Light SPO2 Functional Tester, USA

4142735   ProSim SPOT Light SPO2 Functional Tester, Schuko

4142747   ProSim SPOT Light SPO2 Functional Tester, UK

4142758   ProSim SPOT Light SPO2 Functional Tester, Japan

4142764   ProSim SPOT Light SPO2 Functional Tester, Australia/China

4142814   ProSim SPOT Light SPO2 Functional Tester, Brazil

Standard accessories

4151274   ProSim SPOT Light Users Manual

4026823   ProSim SPOT Light Battery Pack

4026773   ProSim SPOT Light Power Supply Line Cord ProSim SPOT Light Line Cord (country-specific)

4180099   CCPS4 SPOT Light, PS4 SPOT Light Carry Case

Optional accessories

4034393   USB Cable

4026823   ProSim SPOT Light Battery Pack

About Fluke Biomedical

Fluke Biomedical is the world's leading manufacturer of quality biomedical test and simulation products. In addition, Fluke Biomedical provides the latest medical imaging and oncology quality-assurance solutions for regulatory compliance. Highly credentialed and equipped with a NVLAP Lab Code 200566-0 accredited laboratory, Fluke Biomedical also offers the best in quality and customer service for all your equipment calibration needs.

Today, biomedical personnel must meet the increasing regulatory pressures, higher quality standards, and rapid technological growth, while performing their work faster and more efficiently than ever. Fluke Biomedical provides a diverse range of software and hardware tools to meet today's challenges.

Fluke Biomedical regulatory commitment

As a medical test device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 and ISO 13485 medical device certified and our products are:

- CE Certified, where required
- NIST Traceable and Calibrated
- UL, CSA, ETL Certified, where required
- NRC Compliant, where required

Fluke Biomedical

We empower our everyday heroes to focus only on protecting lives.