

ProSim SPOT Light

Technical Data



Featuring an exclusive ergonomic design, the ProSim SPOT Light is the first comprehensive SpO₂ functional tester to come in a handheld and 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 need to connect to a power supply.

SPOT Light sets up in seconds to send SpO₂ saturation, heart rate, perfusion, transmission, artifact noise, and eight different manufactures custom r-curves to a pulse oximeter or patient monitor. It is designed to take the abuse of everyday use, including the stresses 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 allows you to easily accomplish this task out in hours instead of days.

Key features

- Small, portable and lightweight
- Large, easy to read LCD display
- Rechargeable battery lasts 10 hours minimum
- Signal strength indicator
- SpO₂ Saturation 80 % to 100 %
- Heart rate: 30 to 245 BPM
- Perfusion: 0.2 %, 2 % and 10 %
- Transmission: dark/thick, normal and light/thin
- Artifacts: respiration and ambient light
- R-curves: 8 including Masimo, Nellcor and Nonin

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 122 °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	80 %, 85 %, 90 %, 95 %, 97 %, 98 %, 99 % and 100 %
Heart Rate	30, 60, 80, 100, 120, 150 and 245 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

- 3346048** AC Adapter/charger with multi-prong adapters
- 3346027** Cable, Type A to Mini B USB
- 3346030** Cable, Mini A to Mini B USB
- 4180099** CCPS4 SPOT Light, PS4 SPOT Light Carry Case

Optional accessories

- 4199635** SPOT Light, 3 Year Gold Care Plan
- 4199647** SPOT Light, 1 Year Gold Care Plan
- 4199658** SPOT Light, 3 Year Silver Care Plan
- 4199664** SPOT Light, 1 Year Silver Care Plan
- 4199673** SPOT Light, 3 Year Bronze Care Plan
- 4199686** SPOT Light, 1 Year Bronze Care Plan



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.

Better products. More choices. One company.

Fluke Biomedical

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