

# ProSim SPOT Light

## Technical Data



Featuring an exclusive ergonomic design, the ProSim SPOT Light is the first comprehensive SpO<sub>2</sub> 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 SpO<sub>2</sub> 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.

### 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

### Key features

- Small, portable and lightweight
- Large, easy to read LCD display
- Rechargeable battery lasts 10 hours minimum
- Signal strength indicator
- SpO<sub>2</sub> 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                      | 5.7 cm x 3.8 cm LCD display                        |
| Size (WxDxH)                 | 12.2 cm x 9.7 cm x 4.8 cm                          |
| 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                                      |
| Storage temperature          | -35 °C to 50 °C                                    |
| Operating humidity           | 20 % to 80 % RH (non-condensing)                   |
| Measurements                 |  |
| SpO <sub>2</sub> 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

**411101** 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

