

# 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.

### 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

riešenia na presné meranie™

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## 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 <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)



<http://www.elseo.sk>

## 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



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