

riešenia na presné meranie

FLUKE®

Biomedical

ProSim™ Vital Signs Simulators

ProSim 4
Vital Signs Simulator

ProSim 8
Vital Signs Simulator

Complete patient monitor testing from
an ISO 13485 medical device company.

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Together we defined true innovation

ProSim Vital Signs Patient Simulators were conceived and designed in partnership with biomedical technicians and clinical engineers all over the globe.

We observed what you test and how; where you travel and how you get there. We noted your workarounds and pain points, and then discussed our observations with you. We learned your routines and methodologies, and together we defined true innovation.

The right tool for the job

All the monitors in one department are slated for preventive maintenance this week

ICU calls: a monitor is not performing correctly

A new monitor is in the shop awaiting incoming inspection

There's a ProSim solution for that



Complete patient monitor testing made easy

ProSim 8 Vital Signs Simulator

PMs in minutes

All-in-one, comprehensive multifunction testing

Rechargeable battery runs 9 hours continuously

Small enough for the field; uncompromised test capabilities



Quick-check simulator

ProSim 4 Vital Signs Simulator

In and out in 60 seconds

One touch to results

Rechargeable battery operation

Touchscreen technology

Regulations matter for test tools.

Did you know the United States Food and Drug Administration has determined NIBP and ECG patient simulators to be Class II medical devices? These Class II medical devices sold in the United States legally require FDA 510(k) clearance. ProSim is manufactured for medical device users by Fluke Biomedical, an ISO 13485 medical device company.

Quick-check testing: get in and out in 60 seconds

ICU calls: a monitor is not performing correctly.

Grab your **ProSim 4 Vital Signs Simulator** and go! This tester combines all needed quick-check capabilities into a package 90 % smaller/lighter. Featuring touchscreen technology for quick and simple one-touch testing, ProSim 4 is the perfect patient simulator for first-call patient monitor quality assurance and safety professionals.

Comprehensive testing made easy: all-in-one complete patient monitor test tool

Need to complete PMs for an entire department or facility?

From the single repaired device on the bench to the fleet in the field, **ProSim 8 Vital Signs Simulator** is the smartest patient simulator in the world for comprehensive patient monitor testing. Designed to get you in and out of most locations in minutes, this multifunction simulator with advanced technologies and robust performance allows top confidence in patient monitor performance and supports passing regulatory audits with ease.



ProSim 8 Vital Signs Simulator

Advanced technology

- Total patient monitor quality/safety testing, from NIBP static pressure linearity and dynamic pressure repeatability tests, EC13, ACLS ECG waveforms, Nellcor and Nonin SpO₂ low perfusion to Masimo Rainbow Set
- Physiologically synchronized pulses across all parameters
- Wireless PC communication, customized presets, auto-sequences, barcode scanning, onboard memory, direct data capture, printing functions and single-step (1 BPM/mmHg) adjustability results in maximum productivity

All-in-one testing

- 8-in-1 multifunction simulator tests
 - ECG (including fetal ECG/IUP and arrhythmias)
 - Respiration
 - Temperature
 - IBP
 - Cardiac output/cardiac catheterization
 - NIBP
 - SpO₂
 - Masimo multi-wavelength Rainbow SET
- 80 % smaller and 17 lb (8 kg) lighter than single-function test tools, designed to complete PMs in minutes
- Customized carry case doubles as mobile work station



Patent pending secure ECG connections

Rechargeable battery which runs 9 hours continuously

Pass regulatory audits with ease

No-hassle connections

- Patent pending secure ECG cable connections compatible with both snaps and banana jacks—no adapters, no modules and leads don't pop off
- No extra modules needed for oximeter testing
- Wireless communication to laptop

Pass regulatory audits with ease

- Barcode scanning and direct data capture and printing functionality
- Software solution for regulatory reporting and procedure standardization/automation
- Manufactured by an ISO 13485 Medical Device company for Medical Device Users

ProSim 4 Vital Signs Simulator

One touch to results

The ProSim 4 Vital Signs Simulator offers fast and simple one-touch testing for patient monitor performance quick checks and troubleshooting.

Designed to get you in and out of most locations in 60 seconds, ProSim 4 offers 12-lead ECG simulation, respiration, IBP and NIBP testing in the palm of your hand.

Featuring specialized stay-connected ECG posts to ensure secure lead connections and smart, no-hassle navigation, this quick-check tool with patient pre-sets and autosequences is your first line of defense for on-the-go troubleshooting and testing.

Features

- Accurate/repeatable 12-lead ECG, respiration, IBP and physiologically-relevant NIBP simulation
- 90 % smaller/lighter than single function testing tools
- Integrated, easily-replaceable battery capable of running all day
- 1 touch to most performance tests and checks
- First biomedical test tool ever to use touchscreen technology
- Easily connects all 12-lead ECG snaps comfortably and they don't fall off
- Onboard patient simulations pre-sets and auto sequences



Touch screen technology

Secure ECG posts

Rechargeable battery

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<http://www.elseo.sk>

Lifetime patient monitor testing support
Only from Fluke Biomedical

No-cost online educational opportunities

Get the most from your investment thanks to self-paced training modules, educational tutorials, and patient monitor testing support materials available to assist you any time on the Fluke Biomedical website.

- Learn more about patient monitor testing
- Comprehensive device/testing tutorials
- Sample PM procedures and checklists

CarePlan Packages: priority services to keep you up and running

CarePlan packages offer priority bench service, extended warranties, value pricing on services, VIP technical support, expedited return shipping, productivity consultation services, educational training, and more.

- Fastest turnaround and expedited shipping
- Extended warranties and reminder notifications
- Loaners and discounts

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ADVANTAGE

Compare and decide

Feature	ProSim 4	ProSim 8
Weight	0.8 kg (1.93 lb)	1.87 kg (4.2 lb)
Display	Color LCD touchscreen	Color LCD
12 lead ECG simulation	•	•
ECG rate	30 BPM to 320 BPM in 30 BPM steps	10 BPM to 360 BPM in 1 BPM steps
ECG performance testing	•	•
Fetal ECG/IUP		•
Respiration simulation	•	•
Temperature simulation		•
Invasive blood pressure simulation	• (1 channel)	• (2 channels)
Cardiac output		•
Cardiac catheterization		•
Non-invasive blood pressure (NIBP) simulation	•	•
Continuous static pressure change		•
Internal pressure pump	Use manual inflation bulb	•
Manometer	•	•
Leak test	•	•
Over pressure test	•	•
SpO ₂		• (optional)
Masimo Rainbow SET simulation		• (optional)
Custom r-curve		•
Physiologically synchronized pulses across all parameters	•	•
Onboard, patient presets and autosequences	•	• (customizable)
Barcode scanning		•
On board memory/data saving /printing		•
Wireless PC Connectivity		•
Ansur operation		• (optional)
Long-lasting, integrated, rechargeable battery	•	•
Multi-language navigation/interface	•	•
Manufactured by an ISO 13485 medical device company	•	•

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