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Biomedical

ProSim 8P

Vital Signs Simulator

Addendum

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Introduction

The ProSim™ 8P Vital Signs Simulator is equivalent to the standard ProSim™ 8 in form, fit, and function. Some specifications are different as shown in this addendum.

Specifications

Non-Invasive Blood Pressure

Manometer (Pressure Meter)

- Range.....0 mmHg to 400 mmHg
- Resolution.....0.1 mmHg
- Accuracy
 - 0 mmHg to 300 mmHg.....±0.75 mmHg ¹
 - 300 mmHg to 400 mmHg.....±(0.5 % reading + 0.5 mmHg)

Note 1: To achieve this accuracy, the Product must be operating between 10 °C and 30 °C (50 °F and 86 °F) and you must zero the manometer manually before each test.

Non-Invasive Blood Pressure Simulations

Repeatability ±1 mmHg (Calculated as 1 standard deviation of repeated measurements at maximum pulse size, independent of device under test)

Detailed Specifications Normal-Sinus-Rhythm and Performance Waveform ECG Reference

Amplitude Accuracy ±2 % of setting (0.5 mV to 5.0 mV, Lead II)
±(2 % of setting + 0.05 mV) (0.05 mV to 0.5 mV, Lead II; 0.05 mV to 5.0 mV, all other leads)

Oximeter SpO2 Optical Emitter and Detector (optional)

O2 % Repeatability..... ≤1% (Calculated as 1 standard deviation of repeated measurements, independent of device under test)