## Accessories

<table>
<thead>
<tr>
<th>P/N</th>
<th>Picture</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#EV-ADAPT-D*</td>
<td><img src="image" alt="Image of DINAMAP/Critikon style connector" /></td>
<td>DINAMAP/Critikon style: A threaded screw-on connector, used on Critikon and MDE monitors.</td>
</tr>
<tr>
<td>#EV-ADAPT-M*</td>
<td><img src="image" alt="Image of Marquette style connector" /></td>
<td>Marquette style: A freely-rotating twist-on connector, used on GE/Marquette monitors.</td>
</tr>
<tr>
<td>#EV-ADAPT-Q*</td>
<td><img src="image" alt="Image of Quick Disconnect connector" /></td>
<td>Quick Disconnect: A push-pull quick disconnect connector used on HP monitors.</td>
</tr>
<tr>
<td>#EV-ADAPT-L*</td>
<td><img src="image" alt="Image of Luer connector" /></td>
<td>Luer: A friction-based connector used on Spacelab monitors and most neonatal monitors.</td>
</tr>
<tr>
<td>#EV-IBP-Merlin**</td>
<td><img src="image" alt="Not Shown" /></td>
<td>IBP cable adapter for HP Merlin</td>
</tr>
<tr>
<td>#EV-IBP-MDE**</td>
<td><img src="image" alt="Not Shown" /></td>
<td>IBP cable adapter for MDE/Spacelabs</td>
</tr>
<tr>
<td>#EV-IBP-GE**</td>
<td><img src="image" alt="Not Shown" /></td>
<td>IBP cable adapter for GE</td>
</tr>
<tr>
<td>#EV-IBP-Datascope**</td>
<td><img src="image" alt="Not Shown" /></td>
<td>IBP cable adapter for Datascope</td>
</tr>
</tbody>
</table>

## Test Equipment

### ECG Snap Extenders
The SimCube includes 10 snaps on its side for 12-lead ECG, Respiration and Pacer simulation. If using clips instead of snaps to connect to the SimCube, a set of snap extenders is recommended.

### Bulb Adapter
This hand bulb adapter is utilized in Peak Detect Mode for SimCube models SC-3 and SC-4.

### Nylon Carrying Case
The SimCube comes with a vinyl covering that offers basic protection for benchtop use. If your work is mostly in the field, this padded nylon carrying case is recommended for added security.

### Cuff Jacket Duo
The Cuff Jacket provides an extremely convenient tool for keeping cuffs from unraveling during testing as well as controlling the volume in the cuff during adult and hypertensive simulations.

### Battery Boost Option
The battery boost option provides over 200 NIBP simulations with 4 AA alkaline batteries. Includes carrying case.

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**NIBP Adapters**: Each SimCube order includes your choice of (1) free NIBP adapter and should be specified at time of order. Extra adapters may be ordered at additional cost. Four adapter types are available (note that this is not a definitive guide to which adapters are used for all monitor types).

**IBP Cables**: Each SimCube model SC-5 and SC-5 kit includes your choice of (1) IBP cable adapter.
## Test Equipment

### #EV-SC4+OXKIT SimCube SC-4 with OxSim, Battery Boost Option, Carrying Case, all NIBP Adapters and Cuff Jacket

The SimCube SC-4 and OxSim Kit includes an SC-4 (all of the functions of the SC-1, SC-2, and SC-3 with the addition of an automated Alarm Test mode), an OxSim optical pocket sized SpO₂ Simulator, Battery Boost Option, all of the NIBP adapters and the carrying case. Unbelievable portability for the world’s first comprehensive vital signs simulator system.

### #EV-SC5+OXKIT SimCube SC-5 with OxSim, Battery Boost Option, Carrying Case, all NIBP Adapters and Cuff Jacket

The **SimCube** SC-5 and OxSim Kit includes an SC-5 (all of the functions of the SC-1, SC-2, SC-3, and SC-4 with the addition of an Invasive Pressures and Arrhythmia), an OxSim optical pocket sized SpO₂ Simulator, Battery Boost Option, all of the NIBP adapters and the carrying case. Unbelievable portability for the world’s first comprehensive vital signs simulator system.

### #EV-SC-5 SimCube NIBP/ECG/Resp Simulator with Invasive Pressures, Arrhythmia

This Model includes all of the features of the SC-1, SC-2, SC-3, and SC-4 with the addition of an Invasive Pressures and Arrhythmia. Combined with the new expanded NIBP’s manometer range (-400 to +400) and the new Leak Testing Modes. The SC-5 will replace 3 of your more traditional devices—patient simulators, NIBP analyzers and digital manometers. The SC-5 is compatible with the **Battery Boost Option**.

### #EV-SC-5KIT SimCube SC-5 with Battery Boost Option, Carrying Case, all NIBP Adapters and Cuff Jacket

The **SimCube** SC-5 Kit includes an SC-5 (see SC-5 description, with the addition of Invasive Pressures and Arrhythmia), a Battery Boost Option, all of the NIBP adapters, the Cuff Jacket and the carrying case. Virtually everything you need for doing preventative maintenance and troubleshooting in one very small package. The SC-5 Kit **includes** the **Battery Boost Option**.

### #EV-OX-1 OxSim Optical SpO₂ Simulator

The OxSim is the perfect complement to the SimCube family. It is Optical (tests the whole system, including the sensor), pocket sized and runs on one AA alkaline battery for 10 hours! 4 Oxygen saturations, 3 pulse rates and a low perfusion mode all at the touch of a button make it an indispensable tool for any biomed. OxSim is small enough to fit right into your SimCube carrying case and can be run off the same battery boost option as your SimCube, simultaneously!
<table>
<thead>
<tr>
<th>MODEL/DESCRIPTION</th>
<th>IMAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>#EV-SC-1 SimCube NIBP Simulator</strong></td>
<td><img src="image1.png" alt="SimCube NIBP Simulator" /></td>
</tr>
<tr>
<td>The basic SimCube combines the functions of both a manometer and an NIBP simulator. SimCube’s NIBP function has four modes: Manometer (0-480mmHg), Adult (120/80mmHg), Neonatal (70/40mmHg), and Hypertensive (190/120mmHg). A single button toggles through each of the modes. This model is <strong>not</strong> compatible with the <strong>Battery Boost Option</strong>.</td>
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</tbody>
</table>

| **#EV-SC-2 SimCube NIBP Simulator with ECG/Resp/Pacer** | ![SimCube NIBP Simulator with ECG/Resp/Pacer](image2.png) |
| This configuration of SimCube includes four NIBP modes: Manometer (0-480mmHg), Adult (120/80mmHg), Neonatal (70/40mmHg), and Hypertensive (190-120mmHg), with the addition of 10 snaps for 3-, 5-, or 12-lead electrocardiogram (ECG) simulation. Pacer simulation and respiration simulation allow testing of primary patient monitor hardware circuits. This model is **not** compatible with the **Battery Boost Option**. |

| **#EV-SC-3 SimCube NIBP Simulator with Peak Detect**    | ![SimCube NIBP Simulator with Peak Detect](image3.png) |
| The SC-3 NIBP function has the following modes: Manometer (0-480mmHg), Adult (120/80mmHg), Neonatal (70/40mmHg), and Hypertensive (190/120mmHg). A single button toggles through each of the modes. The Peak Detect (Overpressure) mode measures the peak pressure produced by the patient monitor. The readout latches the highest pressure value sensed, in 0.5mmHg steps. The SC-3 is compatible with the **Battery Boost Option**. |

| **#EV-SC-4 SimCube NIBP Simulator with Peak Detect, ECG/Resp/Pacer/Alarm Test** | ![SimCube NIBP Simulator with Peak Detect, ECG/Resp/Pacer/Alarm Test](image4.png) |
| The SC-4 NIBP function has the following modes: Manometer (0-480mmHg), Adult (120/80mmHg), Neonatal (70/40mmHg), and Hypertensive (190/120mmHg). A single button toggles through each of the modes. Ten snaps provide 3-, 5-, or 12-lead ECG as well as Pacer, Resp, and an automated Heartrate/Resp sequence. Peak Detect (Overpressure) measurement function is also provided. The SC-4 is compatible with the **Battery Boost Option**. |

| **#EV-SC-4KIT SimCube SC-4 with Battery Boost Option, Carrying Case, all NIBP Adapters and Cuff Jacket** | ![SimCube SC-4 with Battery Boost Option, Carrying Case, all NIBP Adapters and Cuff Jacket](image5.png) |
| The **SimCube** Kit includes an SC-4 (see SC-4 Description), a Battery Boost Option, all of the NIBP adapters and the carrying case. The Cuff Jacket is also included, providing a perfect solution for controlling cuff volume during simulations as well as preventing disposable cuffs from unraveling during testing. The SC-4KIT includes the **Battery Boost Option**. |
NEW
SC-5 SimCube + OxSim (Item # EV-SC5+OXKIT)

NIBP
ECG
SpO2
RESP
IBP
ARRHYTHMIA
MANOMETER

One Button Operation
Runs on AA alkalines
Rugged 1/8” aluminum
Affordable
No Mandrels
Overpressure and Leak Test Modes

SimCube - A Dynamic NIBP simulator with ECG, Respiration, Invasive Pressures, Arrhythmia, built-in Manometer, and Pacer!

- Extremely Portable
- 3” x 3” cube proves good things can come in small packages
- One-Button Operation
- Select from 7 different modes and 21 features at the touch of a button
- Accurate Preset NIBP’s
- 120/80, 70/40 (Neo), 190/120, 80/40
- Built-in Manometer
- -400 to +400mmHg
- 12 Lead ECG
- 10 different ECG Heart Rates, synchronized w/NIBP
- Invasive Pressures
- 7 different static, 3 different dynamic invasive pressures
- Arrhythmia
- Asystole, Brady, Tachy, PVC, Couple, Run, V-Tach, V-Fib
- Respiration
- 9 different Respiration rates
- Pacer
- Simulate a paced patient
- Peak Detect
- Verify Overpressure Limits
- Battery Boost Option
- 4 Alkaline or NiMH AA size batteries, 150+ consecutive NIBP simulations, Battery condition indicator, Automatic AC detection

Rugged Construction - The SimCube is constructed of structural 1/8” wall extruded aluminum, affording superior strength and corrosion resistance. The unit is encased in a vinyl jacket for scratch resistance and quiet operation.

SimCube Reliability
Prior to release, the SimCube design was subjected to extensive life testing. At the equivalent of 3 years’ continuous use, some visible wear was identified on the plastic parts. A sealed bearing race was added to further reduce friction, extending the life of the mechanical parts well beyond 3 years.

SimCube Rugged Design
- SimCube is protected by an 1/8” inch extruded aluminum housing
- Drop tested at 3.5 feet 50 with no failures!!!

SimCube Pulse Replication
Pulse shape and size automatically adapt to changing cuff pressures in order to accurately replicate the artery’s response to the cuff inflation on the arm.

OxSim - An Optical Pocket-sized SpO2 simulator that runs on one AA alkaline battery or drops into the SimCube carrying case and connects directly to the SimCube Battery Boost Option.

- Optical oxygen saturation simulations
- Automatic detection of sensor type
- 4 different Saturation rates
- 3 different Pulse Rates
- Low Perfusion Simulation
- IR and Red LED detection
- Runs on one AA alkaline battery!
- Drop tested 50 times with no failures

SpO2 Simulations will never be the same!!!!