Rigel PULS-R
Universal SpO2 Finger Simulator

The compact Rigel PULS-R universal SpO2 simulation finger is the latest accessory to the Rigel UNI-SIM and SP-SIM vital-signs simulators.

Able to simulate accurate SpO2 simulations in 1% resolution from as low as 30%* using the pre-programmed manufacturer specific R-curves, the PULS-R can also be configured to meet customer specific R-curves using the simple to use configuration tool.

* subject to monitor capability

Supported default R-curves
- Beijing Choice
- Criticare
- GE Tuffsat
- Masimo
- Mindray
- Nellcor
- Nellcor OxiMax
- Nihon Kohden
- Nonin
- Novametrix
- Philips / HP

Custom R-curves subject to availability

Easy and accurate probe placement
Unique probe placement LED’s ensure accurate and correct simulation for each type of SpO2 probe.

The Rigel PULS-R has status LEDs which light up to indicate whether a probe connection has been achieved.

www.rigelmedical.com/PULS-R
Tel: +44 (0) 191 587 8730
Email: info@rigelmedical.com
Compatibility
The PULS-R is only compatible with the Rigel UNI-SIM or SP-SIM with firmware version 3 or higher. To upgrade your firmware, please visit our download section on the Rigel website; www.rigelmedical.com/rigel-downloads

Technical Specifications

Accuracy of simulation when used with the corresponding R-curves

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Range</th>
<th>Repeatability*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1% steps</td>
<td>30-59%</td>
<td>±5%**</td>
</tr>
<tr>
<td>1% steps</td>
<td>60-89%</td>
<td>±3%</td>
</tr>
<tr>
<td>1% steps</td>
<td>90-100%</td>
<td>±1%</td>
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</tbody>
</table>

*Based on using the same probe and monitor setup
**Note that some monitor types might not be able to display low range sats

Heart Rate Setting 30-300 bpm***
Operating temperature 0-40°C
Dimensions 78 x 68 x 29 mm
Finger shape 40 x 18 mm
Part number 399A910

***Subject to monitor capability