# IntelliCuff®

## Technical specifications

### Operating modes
- Automatic maintenance of set cuff pressure
- Time-limited cuff pressure increase

### Monitoring

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure set range</td>
<td>5 to 50 cmH2O</td>
</tr>
<tr>
<td>Resolution (setting/display)</td>
<td>±1 cmH2O</td>
</tr>
<tr>
<td>Pressure accuracy</td>
<td>±2 cmH2O</td>
</tr>
</tbody>
</table>

### Standards
- IEC 60601-1:2012
- IEC 60601-1-2:2007
- IEC 60601-1-6:2013
- IEC 62366:2014
- IEC 60601-1-8:2012
- IEC 60601-1-12:2014
- EN 13718-1:2008
- EN 1789:2010
- RTCA DO-160G, Section 21 CAT. M,
  Section 20 CAT. R, and other selected parts

### Alarms

<table>
<thead>
<tr>
<th>Priority</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>High priority</td>
<td>Cuff system leakage, battery critically low</td>
</tr>
<tr>
<td>Medium priority</td>
<td>Pressure above set limit, cuff deflated, battery low</td>
</tr>
<tr>
<td>Additional</td>
<td>Technical fault, loss of power</td>
</tr>
<tr>
<td>Alarm loudness</td>
<td>56.5 dB(A) ±6 dB(A) within 1 m distance</td>
</tr>
<tr>
<td>Alarm pause</td>
<td>Visual alarm pause (silence) icon</td>
</tr>
</tbody>
</table>
**Performance**

Default settings: 25 cmH2O (target pressure), 5 cmH2O above set pressure for 5 min (time-limited hold)

**Physical dimensions**

- **Dimensions (L x W x H):** 15.7 cm (6.2 in) x 5.5 cm (2.2 in) x 3.6 cm (1.4 in)
- **Weight, including batteries:** 260 g (9.2 oz)
- **Display:** 60 x 35 mm
- **Ingress protection (IP):** IP34

**Electrical characteristics**

- **AC power input:** 100 to 240 VAC / 50 to 60 Hz ± 10%; 1.25 VA typical, 3.25 VA maximum
- **USB input power:** 5 VDC ± 5%; 1.0 W typical, 2.5 W maximum
- **Car adapter:** 12 V to 24 V ± 5%; 1.25 W typical, 3.25 W maximum
- **Battery requirements:** AA (IEC-HR6) NiMH rechargeable 1.2 V, ≥ 1900 mA

**Connectors**

- **Electrical:** Mini USB
- **Pneumatic:** Male luer slip

**Environmental requirements**

- **Temperature:** -15°C to 50°C / 5°F to 122°F (operating), -15°C to 70°C / 5°F to 158°F (storage)
- **Relative humidity:** 5% to 95% noncondensing (operating) / 5% to 95% noncondensing (storage)
- **Noise:** < 30 dB(A)
- **Altitude:** -650 to 7,620 m / -2,132 to 25,000 ft above sea level
  Above 4,000 m / 13,123 ft, only battery power is supported

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