

IntelliCuff®

Technical specifications

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

Monitoring

Pressure set range 5 to 50 cmH₂O
Resolution (setting/display) ± 1 cmH₂O
Pressure accuracy ± 2 cmH₂O

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

High-priority Cuff system leakage, battery critically low
Medium-priority Pressure above set limit, cuff deflated, battery low
Additional Technical fault, loss of power
Alarm volume 56.5 dB(A) ± 6 dB(A) within 1 m distance
Alarm silence Visual alarm silence icon



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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 (incl. batteries) 260 g (9.2 oz)
Display 60 x 35 mm
Ingress Protection (IP) IP 34

Electrical characteristics

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

Connectors

Electrical Mini USB
Pneumatic Male luer slip

Environment

Temperature -15°C to 50°C / 5°F to 122°F (operating), -15°C to 70°C / 5°C 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