

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 loudness 56.5 dB(A) ±6 dB(A) within 1 m distance
Alarm pause Visual alarm pause (silence) icon



CE 0197

HAMILTON
MEDICAL

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 \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

Environmental requirements

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

Manufacturer:

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