

Versatile NIBP **PLUS**

The Mini-Torr Plus® Non-invasive Blood Pressure Monitor provides a base to build on for your monitoring needs. The third in the Clarity® Series offers cost-effective, noninvasive blood pressure monitoring. Options which can be added include pulse oximetry, a built-in printer, Welch Allyn[™] SureTemp[®] temperature, and/or a lightweight roll stand or IV pole mount. The ability to combine the options needed in your clinical environment at an affordable price, makes this monitor an important addition to your equipment needs.



- Quick, accurate readings
 - ◆ Proven, reliable oscillometric technology
- ◆ Use on patients from neonate to adult
 - ◆ Easy-to-read LED display with adjustable brightness
- ◆ Lightweight design with extended use battery
 - ◆ Flexibility to incorporate pulse oximetry, a built-in printer, oral or rectal temperature, and/or a lightweight roll stand or IV pole mount



BCI Mini-Torr Plus® Non-Invasive Blood Pressure Monitor

SPECIFICATIONS

Displays, Indicators & Keys:

3-digit LED display, 0.40 inches high SpO₂ (optional) Pulse Rate 3-digit LED display, 0.30 inches high

Pulse Strength Logarithmically scaled

10-segment LED bar graph

NIBP 3-digit LED display

Systolic & Diastolic Pressures -

0.40 inches high Mean Arterial Pressure -0.30 inches high

3-digit LED display, 0.40 inches high Temperature

NIBP:

20-250 mmHg Range

Neonate: 20-135 mmHg

NIBP Accuracy Meets SP10-1992 AAMI standard

for NIBP accuracy ± 3 mmHg or 2% (whichever is greater) Cuff Pressure Accuracy

Determination Time 30-50 seconds typical

> (max. 120 seconds in adult mode, 90 seconds in neonate mode)

1, 2, 2.5, 5, 10, 15, 20, 30, 45, 60, 90 Interval Times

minutes

Calibration Factory calibrated

Inflation Pressure Adult: 50 to 300 mmHg Neonate: 50 to 150 mmHg

Default Inflation

175 mmHg Pressure Neonate: 120 mmHg

Alarm Range

Adult High: 15-285 mmHg & OFF

> (1 mmHg steps) 10-280 mmHg & OFF

(1 mmHg steps) High: 15-135 mmHg & OFF

Neonate (1mmHg steps)

10-130 mmHg & OFF (1 mmHg steps)

Alarm Default

High – 200 mmHg Adult Systolic:

Low - 90 mmHg Diastolic: High - 105 mmHg

Low - 40 mmHg Mean Arterial: High - 140 mmHg

Low - 50 mmHg High – 120 mmHg Neonate Systolic:

Low - 60 mmHg High - 100 mmHg Diastolic:

Low - 40 mmHg

Mean Arterial: High - 110 mmHg Low - 50 mmHg

Pulse Rate:

30-180 bpm (NIBP) Range

30-254 bpm (SpO₂) ± 2% at 30 to 250 bpm Accuracy

Averaging Alarm Range

Adult & Neonate High: 30-250 bpm & OFF (1 bpm steps) Low: 30-250 bpm & OFF (1 bpm steps)

8 seconds (SpO2 only)

Alarm Default Adult

High: 150 bpm Low: 45 bpm

High: 150 bpm Neonate 50 bpm Low:

SpO₂ (Optional):

0-100% SpO2 (functional) Range ± 2 counts at 70-100% Accuracy ± 3 counts at 50-69%

8 beats Averaging

Pulse Tone Volume adjustable or OFF

(corresponds to SpO2 value)

Alarm Range

Alarm Default

Adult & Neonate High: 50-100% & OFF (1% steps) Low: 50-99% & OFF (1% steps)

High = OFFAdult Low = 85%

High = OFFNeonate Low=~80%

Temperature (optional):

84°F - 108°F (28.9°C - 42.2°C) Range Accuracy \pm 0.2° F, ASTM E1112-86 (±0.1° C)

Calibration Factory calibrated Dimensions:

3.24" H x 8.5" W x 5.5" D Base Unit

 $8.2~{\rm cm}~{\rm H}~{\rm x}~21.6~{\rm cm}~{\rm W}~{\rm x}~14.0~{\rm cm}~{\rm D}$

With Temperature 3.24" H x 10" W x 5.5" D

8.2 cm H x 25.4 cm W x 14.0 cm D

Weight:

Base Unit 3.5 pounds (1.6 kg) With Temperature 4.2 pounds (1.9 kg)

AC Charger Power Requirements:

105 - 125 VAC, 60 Hz 90 - 110 VAC, 50 Hz (optional) 230 VAC, 50/60 Hz (optional)

Output of 24VDC @ 1.5A with 4kV isolation

Battery Life:

Nickel Cadmium battery, 6 VDC

internal rechargeable

fully charged continuous-use life 6 hours approximate charge time 4 hours

Printer Output:

RS232C

Data Format: 19200 baud, 1 start bit, 8 data bits, 1 stop bit,

no parity

Integrated Printer (optional):

Text only, no graphics. Patient data log or trend tables

Environmental Specifications:

Operating Temperature

32°F to 131°F (0°C to 55°C) Base unit With Temperature 60.8°F to 104°F (16°C to 40°C) Storage Temperature -40°F to 158°F (-40°C to 70°C)

Relative Humidity 10 - 95% (storage) 15-95% (operating) (non-condensing)

Safety Approvals:

EN60601-1, EN60601-1-1, UL 544. Safety

CSA Std. C22.2 No. 125-1984

EN60601-1-2

MDD Version Available Model Number: 6004

Specifications Subject To Change Without Notice

Please read the Instructions for Use supplied with the product for detailed instructions, warnings, and cautions.

Q-Line for U.S.A. Customers

Call our Q-Line at 1-800-348-1842 for emergency and clinical application information 24 hours a day, 365 days a year. Experienced Clinical Specialists will return your call and assist with any questions you may have.

For more information, or for the name of your BCI representative, contact BCI, Inc.

Quality in Advanced Monitoring



ISO 9001 Certified

smiths – A part of Smiths Group plc BCI 6004-04

Litho in USA