



MINI-TORR PLUS® NON-INVASIVE BLOOD PRESSURE MONITOR

THE BCI ADVANTAGE

- Quick, accurate readings
- Proven reliable, oscillometric technology
- Monitor patients ranging from neonate to adult
- Easy-to-read LED display with adjustable brightness
- Lightweight design
- Extended use battery delivers up to 6 hours of life before requiring recharging
- Incorporate options as needed - SpO₂, a built-in printer, oral or rectal temperature and/or a lightweight roll stand or IV pole mount
- Genuine BCI reusable & disposable sensors available

Reliable NIBP monitoring designed to adapt to your needs.



The **MINI-TORR PLUS® NON-INVASIVE BLOOD PRESSURE MONITOR** provides a reliable platform for your NIBP monitoring needs. It easily adapts to meet your departmental NIBP needs, with options ranging from a lightweight roll stand or IV pole mount, to a built-in printer, pulse oximetry and Welch Allyn™ SureTemp® temperature. Its combination of reliability and flexibility makes the Mini-Torr Plus® a practical starting point for your long-term NIBP monitoring needs. For more information visit smiths-bci.com.

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Smiths Medical – a part of Smiths Group plc

MINI-TORR PLUS® NON-INVASIVE BLOOD PRESSURE MONITOR

SPECIFICATIONS:

Displays, Indicators & Keys:

SpO ₂ (Optional)	3-digit LED display, 0.40 inches (10.16 mm) high
Pulse Rate	3-digit LED display, 0.30 inches (7.62 mm) high
Pulse Strength	Logarithmically scaled 10-segment LED bar graph
NIBP	3-digit LED display Systolic & Diastolic Pressures - 0.40 inches (10.16 mm) high Mean Arterial Pressure - 0.30 inches (7.62 mm) high
Temperature	3-digit LED display, 0.40 inches (10.16 mm) high

NIBP:

Range	Adult: 20 to 250 mmHg Neonate: 20 to 135 mmHg
NIBP Accuracy	Meets SP10-1992 AAMI standard for NIBP accuracy
Cuff Pressure Accuracy	±3 mmHg or 2% (whichever is greater)
Determination Time	30 to 50 seconds typical (max. 120 seconds in adult mode, 90 seconds in neonate mode)
Interval Times	1, 2, 2.5, 5, 10, 15, 20, 30, 45, 60, 90 mins
Calibration	Factory calibrated
Inflation Pressure	Adult: 50 to 300 mmHg Neonate: 50 to 150 mmHg
Default Inflation Pressure	Adult: 175 mmHg Neonate: 100 mmHg
Alarm Range Adult	High: 15 to 285 mmHg & OFF (1 mmHg steps) Low: 10 to 280 mmHg & OFF (1 mmHg steps)
Neonate	High: 15 to 135 mmHg & OFF (1 mmHg steps) Low: 10 to 130 mmHg & OFF (1 mmHg steps)
Alarm Default Adult	Systolic: High - 200 mmHg Low - 90 mmHg Diastolic: High - 105 mmHg Low - 40 mmHg Mean Arterial: High - 140 mmHg Low - 50 mmHg

Pulse Rate:

Range	30 to 180 bpm (NIBP) (adult) 40 to 180 bpm (NIBP) (neonate) 30 to 254 bpm (SpO ₂)
Accuracy	±2% or 2 bpm (whichever is greater)
Alarm Range Adult & Neonate	High: 30 to 250 bpm & OFF (1bpm steps) Low: 30 to 250 bpm & OFF (1bpm steps)
Alarm Default Adult	High: 150 bpm Low: 45 bpm
Neonate	High: 150 bpm Low: 50 bpm

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 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 representative, contact BCI, Inc.



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SpO₂ (Optional):

Range	0 to 100 SpO ₂ (functional)
Accuracy	±2 counts at 70 to 100% <70% unspecified
Averaging	8 beats
Pulse Tone	Volume adjustable or OFF (pitch corresponds to SpO ₂ value)
Alarm Default	Adult: High: 150 bpm Low: 45 bpm Neonate: High: 150 bpm Low: 50 bpm

Temperature (Optional):

Range	84°F to 108°F (28.9°C to 42.2°C)
Accuracy	±2°F, ASTM E1112-86 (±0.1°C) ±3 counts at 50 to 69%
Calibration	Factory calibrated

Dimensions:

Base Unit	3.24" H x 8.5" W x 5.5" D 8.2 cm H x 21.6 cm W x 14.0 cm D
With Temp	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 to 125 VAC, 60 Hz
90 to 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-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:

Operating Temperature:	Base Unit: 32°F to 131°F (0°C to 55°C) 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 (non-condensing)	10 to 95% (storage) 15 to 95% (operating)

Standards:

EN60601-1 (IEC60601-1), EN60601-1-1 (IEC60601-1-1)
UL 544, CSA Std. C22.2 No. 125-1984, EN60601-1-2 (IEC60601-1-2)

Regulatory Compliance:

510(k): K983796, K984618, K970801
ISO 9001 / EN46001



Catalog Number: 6004



BCI, Inc. - The world leader in hand-held pulse oximetry technology; Part of Smiths Medical - your source for BCI®, Deltec®, Level 1®, and Portex® technologies.

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