

Designed for Comprehensive NIBP Monitor Testing

AccuPulse™
Unrivaled Accuracy **plus**



AccuPulse Plus is the mid-range model in Clinical Dynamics' **AccuPulse** Handheld line of NIBP simulators. With a full complement of 7 Adult and 6 Neonatal BP presets, and fully adjustable pulse rate, pulse amplitude and BP envelope shift, **AccuPulse Plus** provides more testing flexibility than the **AccuPulse Lite**. Already an outstanding value in its standard configuration, **AccuPulse Plus** can be customized with options such as User-Defined TestPoints (i.e., independent Sys/Dia).

- BP Presets: 7 Adult and 6 Neonatal
- Built-In Adult Mandrel
- Adjustable Pulse Rate, Pulse Amplitude, BP Envelope Shift
- Leak Test and OverPressure Test: Automatic
- USB Port for Web-Based Upgrades
- Support for 6 Languages
- Optional Li-Ion Rechargeable Battery
- Optional 12 Lead ECG Simulation with Invasive Pressure, Temperature & Respiration
- 3 Year Warranty Standard
- World's Most Accurate: +/- 0.5 mmHg
- World's Lightest: 1.9 lbs (0.86 kg)
- World's Smallest: 2" High (51 mm)
- The Best NIBP Simulator At Any Price

AccuPulse™ Plus Handheld NIBP Simulator

Technical Specifications

BP Presets

Systolic/Diastolic (mmHg)

Adult	Neonatal
240/190	150/120
200/150	120/90
150/100	100/70
120/80	80/50
100/65	60/30
80/50	35/15
60/30	

BP Simulation Accuracy: +/- 0.5 mmHg

Pulse Rate

Pulse Rate Range: 15 - 330 bpm

Pulse Rate Accuracy:

15 - 300 bpm: +/- 0.5 bpm

301 - 330 bpm: +/- 1 bpm

Pulse Amplitude

Pulse Amplitude Range: 0 - 150%

Pulse Amplitude Resolution: 1%

Pulse Amplitude Accuracy: Better than 0.1%

BP Envelope Shift

BP Envelope Shift: +/- 50 mmHg maximum

Minimum Diastolic: 15 mmHg

Maximum Systolic: 275 mmHg

Displayed/Measured Parameters

Dynamic NIBP Cuff Pressure Waveform

Digital Manometer

Pressure Range: 0.0 to 400.0 mmHg

Accuracy: 0-300 mmHg= +/- 0.5 mmHg,

301-400 mmHg= +/- 1.0 mmHg

Resolution: +/- 0.1 mmHg

Leak Test

Automatic Inflation

Automatic Timer

Leak Test Time: 60 seconds

OverPressure Test

Automatic Inflation

Instantaneous Pressure: 0 - 400 mmHg

Pop-Off Pressure: 10 - 400 mmHg

Cuff Supports

Built-in Adult Mandrel

Neonatal Mandrel Optional

Display

Graphic LCD

Resolution: 128 x 64 pixels

LED Backlight

Communication Port

Universal Serial Bus (USB)

Adaptor Hoses

Adaptor Hoses insert between the NIBP device, cuff and analyzer. These adapters are compatible with oscillometric NIBP monitors.

- Male/Female Luer
- Male/Female Clippard (GE Medical, Draeger/Siemens)
- Colder/CPC (GE Medical, Protocol Systems)
- OBAC Quick Release (Philips Medical)
- Universal 5/32" I.D. Hose

Self Test Accessories

- Pressure Bulb Assembly (tees into any Cuff Adapter)
- Self system leak test hose (plugged at distal end)

Power Supply

100-240 VAC, 50 watts, 50-60 Hz, Desktop Switcher

Output: 24VDC @ 2.1A, 6 foot cable

Safety Agency Approvals: UL, CE, TUV

Weight

1.9 pounds (0.86 kilograms)

Dimensions

4.25" Wide x 2" High x 7.5" Long

(108 mm Wide x 51 mm High

x 191 mm Long)

Includes Built-in Adult Cuff Support

Standard Accessories

- External Power Supply
- One Adaptor Kit
- Tilt Stand
- Operation Manual

Optional Accessories

- Carry Case
- Li-Ion Rechargeable Battery
- Neonatal Mandrel
- Motion Sinewave or Step Frequency 1-25 Hz Gain levels 1-8
- Arrhythmia Asystole - adjustable; Duration 2.0 to 8.0 seconds (in 0.5 sec increments) Frequency of occurrence adjustable from 1 to 19 out of 20 pulses
- AccuPulse NIBP CalTables™
 - Datascope Accutorr Plus
 - GE Medical Dash 4000
 - GE Medical Dinamap Pro
 - Philips Medical M3
 - Welch-Allyn Propaq Encore
 - Philips Medical VS1
 - Colin Medical
 - Criticare
 - CAS Medical
 - SunTech

Please contact the factory for the availability of other calibration tables, or visit our web site for updates at www.clinicaldynamics.com

Environmental

RoHS Compliant (Lead-Free)

CE Mark Certified

Warranty

3 Years Standard

Specifications are measured at an ambient temperature between 65°-75° F after a 15-minute warm-up and are subject to change without notice.

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