

Accurate NIBP Testing... Finally, Numbers That Match!

AccuPulse™

Industry Standard
NIBP Simulator &
NIBP Cuff Tester



- **Accurate NIBP Simulation... Finally, Numbers That Match!**

Perform NIBP Testing with confidence. AccuPulse's innovative CalTables™ deliver accurate NIBP monitor testing, typically within 1-2 mmHg or better of setting.

- **Manufacturer-Certified NIBP Simulation!**

AccuPulse's CalTables™ were developed with, and certified by, NIBP monitor manufacturers. Everyone can now test using the same accurate and certified NIBP Simulator.

- **Upgradeable CalTables™ Means Never Obsolete!**

CalTables™ included for major manufacturers. Updates ensure that your investment is protected into the future.

- **Internal Pump and Battery**

- **Built-In Adult and Neonate Cuff Supports**

AccuPulse™ NIBP Simulator

Technical Specifications

AccuPulse NIBP CalTables™

Datascope Accutorr Plus
GE Medical Dash 4000
GE Medical Dinamap Pro
Phillips Medical M3
Welch-Allyn Propaq Encore
Phillips 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

BP Presets

Systolic/Diastolic (MAP):

Adult:	Neonatal:
250/190 (212)	150/120 (129)
200/150 (169)	120/90 (99)
150/100 (119)	100/70 (79)
120/80 (95)	80/50 (59)
100/70 (82)	60/30 (39)
80/50 (62)	35/15 (21)
60/30 (42)	

Exact Diastolic, Systolic and MAP values are a function of the specific CalTables™. The BP Presets above are taken from the Welch-Allyn Propaq Encore CalTable™.

Accuracy:
<± 0.5% of selected target value

Oscillometric Pulse

Pulse Amplitude @ MAP: 2.0 mmHg
Pulse Volume Range: 0 to 4.4 ml
Pulse Rise Time: 80 msec (minimum)

Pulse Rate

Pulse Rate Range: 15-330 bpm
Pulse Rate Accuracy: ±1 bpm, 15-200 bpm,
±2 bpm 201-330 bpm

Displayed/Measured Parameters

Dynamic NIBP Cuff Pressure Waveform
Measurement Time: 0.0 to 180.0 seconds
Maximum Inflation Pressure: 0 to 400 mmHg*
Inflation Time: 0.0 to 180.0 sec

Inflation Rate: 0 to 999.9 mmHg/sec
Minimum Pressure: 0 to 400 mmHg*
Deflation Time: 0.0 to 180.0 sec
Deflation Rate: -0.0 to -999.9 mmHg/sec

Digital Manometer

Pressure Range: 0.0 to 400.0 mmHg*
Accuracy: ± 0.5 mmHg, traceable to NIST
Resolution: ± 0.1 mmHg

Leak Test

Start Pressure: 200 mmHg nominal,
10 to 370 mmHg via Remote Control
Pressure Drop: 0 to 400 mmHg*
Elapsed Time: 60 Seconds
High Resolution Manometer: 0.0 to
400.0 mmHg*

Over-Pressure

Automatically tests operation of the monitor's relief valve
Pop-Off Pressure: 0 to 400 mmHg*
Instantaneous Pressure: 0 to 400 mmHg*

Autosequences

User can utilize autosequences to test NIBP monitors with a specific series of AccuPulse NIBP performance tests.

Cuff Supports

Adult & Neonate mandrels are built into AccuPulse for portability and ease of use.

- Plastic & Aluminum Cylinders
- Adult (3.5" OD, 7.25" width)
- Neonate (1.25" OD, 2.25" width)

Adapter Hoses

Adapter 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 (Phillips 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)

Communication Ports

2 RS-232 (second port available Q2 2006)
1 USB Port (available Q2 2006)

Display

Non-Glare Graphic LCD
CCFL Backlight
Resolution: 240x320 (1/4 VGA)
Thumbwheel contrast control

Power

100-240 VAC, 50 watts, 50-60 Hz, Desktop Switcher
Output: 24VDC @ 2.1A, 6 foot cable
Safety Agency Approvals: UL, CE, TUV
Internal Battery: nickel metal hydride (NiMH)
Voltage: 19.2V
Capacity: 2.5A-Hr, 150 NIBP Simulations
Charge Time: 16 Hours

Weight

8.0 pounds with internal battery

Dimensions

8" Wide x 5" High x 12" Long

Standard Accessories

- External Power Supply & Cord
- Adult & Neonate Cuff Supports (built-in)
- Five Adapter Hoses
- Inflation Bulb with "T" fitting
- Self System Leak Test Hose
- Operation Manual
- Internal Pump
- Internal Battery

Optional Accessories

- Carry Case

*400.0 mmHg typical