

**Manufacturer Envelopes:**

GE Dinamap and Dinamap Pro  
Critikon Dinamap Plus  
Datascope Passport  
Welch-Allyn Spot LXi and 52000  
Fukuda Dynascope  
Colin Press-Mate  
...and more custom simulations

**Pressure Units:**

mmHg, mbar, kPa, inH<sub>2</sub>O, cmH<sub>2</sub>O

**BP Presets:**

Systolic/Diastolic (mmHg)

Adult	Neonatal
255/195	150/100
200/150	120/80
150/100	100/65
120/80	80/50
100/65	60/30
80/50	35/15
60/30	

**BP Simulation:**

Simulation type: oscillometric  
Rate Range: 20 – 240 BPM  
Accuracy: ±0.25 BPM in sync mode  
±1 BPM otherwise  
Amplitude: 0 – 2 mL  
1.25 mmHg into 500ml cuff  
Amplitude Range: 0 – 150%  
Amplitude Accuracy: better than 0.5%  
AutoSettings: unlimited, user definable

**Envelope Shift:**

± 50 mmHg max  
Minimum Diastolic: 15 mmHg  
Maximum Systolic: 275 mmHg

**Manometer:**

Pressure Range: 0.0 to 400.0 mmHg  
Accuracy: ± 0.5 mmHg  
Resolution: 0.1 mmHg

**Regulated Pressure Source:**

Pressure Range: 10.0 to 400.0 mmHg  
Accuracy: ± 0.5 mmHg  
Resolution: 0.1 mmHg

**Leak Test:**

Automatic/manual Inflation  
Automatic Timer  
Leak Test Time: 30 - 600 seconds (user defined)  
Target Pressure: 20 to 400 mmHg  
Range: 0 to 200 mmHg/min  
User Definable Presets: 12  
User Definable AutoSettings: unlimited

**OverPressure Test:**

Automatic/manual Inflation  
Range: 20 - 400 mmHg  
Release Time: 1-999 sec  
User Definable Presets: 12  
User Definable AutoSettings: unlimited

**Standard Features / Accessories:**

- Autosequences
- Unlimited User Defined Settings
- vPad-A1 Power Base / Display
- Universal Hose Adapter Kit

**Communication / User Interface:**

via vPad-A1 Base Unit  
Android 5" tablet:  
Touchscreen User Interface  
Wired (USB) or Bluetooth mode  
WiFi  
16 GB memory  
Dual XBUS for Datrend test automation

**Power Supply:**

External AC adapter  
Internal rechargeable Li-Ion batteries (for 200+ simulations with full charge)

**Dimensions:**

98mm x 275mm x 97mm (3.87" x 10.82" x 3.80")  
BP Unit (incl. A1 Base)

**Weight:**

1080g (2.38lb) BP Unit (incl. A1 Base)  
200g (0.44lb) wireless tablet interface

**Environment:**

15°C to 40°C, 10% to 90% RH,  
Indoor Use Only, Category II

*Please contact the factory for the availability of other calibration tables, or visit our web site for updates at [www.datrend.com](http://www.datrend.com)*

*All specifications subject to change without notice.*