

# vPad-A1™

Datrend Systems' vPad-A1, based on our revolutionary Vision-Pad Technology™, is an "all-in-one" patient simulation system. vPad-A1 is modular and is comprised of a Multi-Parameter Patient Simulator, SpO2 test module, and a Non-Invasive Blood Pressure simulation module which may be used together, independently, or in various combinations. An Android handheld device or vPad tablet provides the user interface.

## Key Features:

- 12 lead ECG simulation
- ST Segments: 8 elevated and 8 depressed
- Axis Deviation: Normal (intermediate), horizontal, and vertical.
- Neonatal Mode
- ECG Performance Testing
- Over 60 Arrhythmia selections
- 2 channel Invasive BP simulation
- Temperature and Respiration simulations
- Pacer simulations
- Cardiac output
- SpO2 Pulse Oximeter Simulator and Non-Invasive BP modules, compatible with all major industry manufacturers
- Auto Settings
- Auto Sequences
- Test reports - with user entered results
- Control via Bluetooth or USB



Innovation by design

## vPad-A1™

The vPad-A1 contains the following modules: A1 Base module, vPad-PS, vPad-O2, and vPad-BP.

The vPad-A1 App is an application developed for an Android handheld device, which serves as the user interface for the vPad-A1 system. It is designed using the same principles as all other Datrend vPad Apps, which are intuitive, ergonomic, and customizable.

The vPad-A1 Base serves as a communication bridge between the Android tablet and the rest of vPad-A1 units via Bluetooth or USB. A DACOM bus connection provides an interface to other vPad devices. The Base also provides power to vPad-PS and vPad-O2.

vPad-PS provides six of the eight available simulations: ECG, two-channel IBP (invasive blood pressure), respiration, temperature, and cardiac output.

vPad-O2 provides SpO2 simulation for testing pulse oximeters, and is compatible with all major pulse oximeter manufacturers.

vPad-BP provides NIBP (non-invasive blood pressure) simulation supporting all major NIBP manufacturers.



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