

Operating Room Setup:

An Improved Monitoring Solution

There is no shortage of electronic devices used within hospital operating rooms, especially cardiovascular rooms: *anesthesia monitor, vital signs monitor, defibrillator, ultrasound, balloon pump, infusion pump, cardiac output analyzers, etc.*

As an extension of the anesthesia machine, the vital signs monitor is a primary component in the OR. However, additional devices requiring the patient's ECG and/or blood pressure signals are often not accommodated by most vital signs monitors. In fact, vital signs monitors rarely, if ever, have more than *a single* analog output intended to deliver remote analog ECG and Blood Pressure signals.

Complex surgeries frequently demand monitoring via multiple critical devices; most commonly the defibrillator, balloon pump and ultrasound. Having this specific equipment on site, connected and ready for use without delay is a practice mandated by many hospitals and their surgeons.

The complication lies in adding upwards of four sets of electrodes to the patient, quantities that can easily encroach onto the surgeon's active working area. This process is not only impractical but will most likely compromise the placement of the electrodes and the resulting ECG waveforms provided. Acquiring crucial parameters in this manner also increases contact with the sterile field. Selectively connecting and disconnecting devices between or even during procedures, compromises the overall efficiency of the OR and possibly the patient outcome.

A solution to this problem has been designed and is available from MAGUIRE Enterprises, Inc.

When our *unique multiplier* is connected to the output of the anesthesia vital signs monitor, the once single output is expanded, providing a total of three analog ECG outputs and a blood pressure waveform, *one each for the defibrillator, ultrasound and balloon pump*. This output multiplier and associated interconnect cables are available for any combination of devices, across an array of manufacturers.

Consider the *Boom System* version of this solution which can be permanently installed in the wall or integrated into existing operating room boom.

For detailed information including photos, part numbers, prices and ordering info, [CLICK HERE](#) or contact our knowledgeable staff for solutions specific to your facility's equipment configuration.

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