

SALIENT CHARACTERISTICS OF VITAL SIGNS TEST EQUIPMENT

➤ **LINE ITEM 0001 - ProSim 8 Vital Signs Simulator**

- 12-lead ECG simulation
- Arrhythmia
- Cardiac Output
- IBP Patient Simulator
- NIBP Simulator
- Adult cuff Mandrel spacer block (3),
- Mandrel end block (2),
- USB cable, Spare Battery pack, ECG
- Temperature
- Carrying Case



➤ **LINE ITEM 0004 - ProSim 4 Vital Signs Simulator**

- 12-lead ECG simulator
- Respiration patient simulator
- IBP patient simulator
- NIBP simulator and Cuff Adapters
- Battery Pack
- Provide User Manual CD
- Carrying Case



➤ **LINE ITEM 0006 – QA ES MKIII Electrosurgical Analyzer**

- Test all critical ESU functions with precise power, current, frequency, crest factor and load resistance ranges
- Collect measurements in single and continuous mode
- Connect wirelessly via Bluetooth for easy record retrieval without interference or limitation by cables and wires*
- Automatic power distribution measurement, including power, current, peak-to-peak voltage, and crest factor
- All-in-one tool: all hardware and software necessary to complete preventive maintenance and troubleshooting is built in to the unit, eliminating the need to purchase or transport additional cables, leads, switch boxes and RECM box
- User-friendly interface: large buttons and LCD screen guide the user through test sequences
- Memory storage of up to 5,000 test records, eliminating the need to download data after the completion of each preventive maintenance or troubleshooting session
- Complies to all global standards, including ANSI/ AAMI and IEC**



➤ **LINE ITEM 0007 - ESA612 Electrical Safety Analyzer**

- Compliance with multiple standards
- Three test loads
- Expanded leakage ranges through 10,000 μ A
- AC only, DC only and True RMS leakage readings
- 100 % and 110 % mains voltage for mains on applied part (lead isolation) test
- Five different insulation tests
- DSP filter technology
- 20 A equipment current
- More applied parts selections
- Electrocardiogram and performance waveforms
- Insulation posts on applied parts connections
- 2- or (optional) 4-wire ground wire resistance
- Large display with adjustable contrast
- Optional Ansur plug-in software
- CE, C-Tick, and CSA for USA and Canada certification



➤ **LINE ITEM 0009 - 190 Medical ScopeMeter Portable Oscilloscope**

- Two or four electrically-isolated inputs
- Fast sampling rate, up to 2.5 GS/s on two channels simultaneously with up to 400 ps resolution
- Deep memory: 10,000 samples per channel waveform capture so you can zoom in on the details (scope mode)
- Dedicated 5000 count digital multimeter in two-channel model
- Quad meter measurements via scope BNC inputs in four channel model
- Connect-and-View™ triggering for intelligent, automatic triggering on fast, slow and even complex signals
- Frequency spectrum using FFT-analysis
- High-resolution, non-interlaced video
- Smart averaging
- ScopeRecord roll mode gives 30,000 points per input channel and capture waveform sample data for up to 48 hours
- TrendPlot, trend measurement readings for up to 22 days
- Advanced automatic measurements, power (Vpwm, VA, W, PF) and time (mAs, V/s, w/s)
- Charge spare battery using optional external battery charger
- Security slot locks down oscilloscope with Kensington lock while unattended
- Environmentally tested to meet IP-51 and withstand 3 g vibration or 30 g shock



➤ **LINE ITEM 0010 – Impulse 7000DP Defibrillator/Transcutaneous Pacer Analyzer**

- Monophasic, biphasic, and pulsed-biphasic energy measurement
- First-class measurement accuracy: $\pm (1 \% \text{ of reading} + 0.1 \text{ J})$
- Easy-to-use menu
- Internal dual-purpose (defib and pacer) non-inductive ($2 \mu\text{H}$) 50 ohm testload
- Isolated outputs for better measurements and low-noise ECG simulation
- Both domestic and international certifications: CE, CSA, and C-tick (Australia)
- Protection of pacer input against accidental application of defibrillator output



