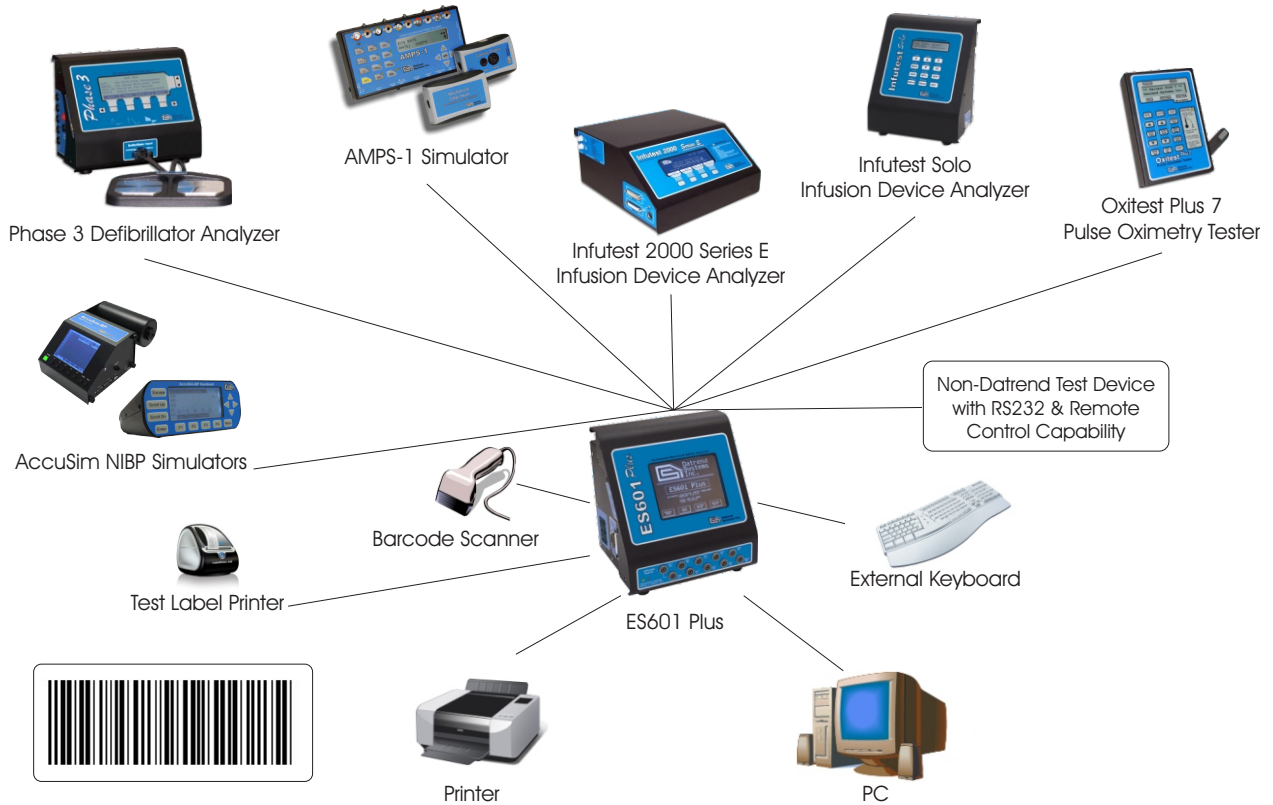




ES601 Plus Family Integration

Biomedical Test & Measurement Automation

What would it be worth to you to be able to implement a system that could bring 100% standardization to your medical device vigilance program, reduce safety and performance testing time by 25% and improve the quality of your regulatory documentation by up to 75%?



We've all heard the saying that a single picture is worth a thousand words. The image above tells a story about the power of the Datrend Systems Biomedical Test Automation System. The Datrend automated system is centered around the ES601 Plus Automated Electrical Safety & Performance Analyzer. It's really easy to spot the Datrend products that are part of this system. Just look for the Systems Icon (pictured to the left) on the product data sheet. Individual product data sheets for the depicted products will give you detailed product specifications and a listing of major features and capabilities. Start with the ES601 Plus Automated Electrical Safety & Performance Analyzer data sheet. The capabilities of the ES601 Plus are unsurpassed in the market. There's nothing else out there quite like it. If you're a legacy medTester user, you'll love the ES601 Plus! If you're new to automated testing, you'll be amazed at the possibilities that this system can offer you!

- Provides for 100% standardization of all tests performed on your medical devices... all testing is done to the same level of detail, no matter what the experience level of your technicians may be
- Completely eliminates hand-written records and test forms
- Supports exception testing-only systems through automatic "flagging" of test readings and other documented failure conditions
- Barcode scanner compatible... simply walk up to your medical device and scan the barcoded control number to implement a pre-selected standardized complement of tests
- Eliminates data transposition errors, over-looked out of tolerance readings, skipped procedural steps, incorrect procedural implementation, etc.
- Automatic "vigilance" over readings taken with immediate "flagging" of out of tolerance readings / results
- Increases productivity and efficiency... saves up to 50% of your time as compared to manual testing systems with hand-written records
- On-demand printing of test results
- Print inspection stickers / next test due stickers
- Fast start-up time with an editable "starter set" of testing autosequences and checklists that allow 100% customization to your specific program
- Can be interfaced with non-Datrend Systems test devices that have an RS232 communications port and remote control protocol
- CMMS Software integration / Sentinel CMMS software compatible / PC Utility Software included

Most Datrend Systems products are backed by a 5-Year Warranty!

The Datrend Automated Testing System Family



ES601 Plus

- Automated & Manual Electrical Safety Testing per AAMI/ANSI, IEC and VDE standards
- Integrated ECG & Arrhythmia Simulator
- Automated Testing Sequences for defibrillators, infusion devices, patient monitors, and more...
- Library of sample ("starter") PM "Checklists" for many types of medical devices
- All Autosequences and Checklists are 100% editable for total procedural customization
- Internal test record storage
- Automatic "flagging" of test results that are outside of pre-established test limits
- Prints inspection stickers & test result reports
- Reduces paperwork, eliminates hand-written records, standardizes medical device testing
- Increases quality and accuracy
- Increases throughput - saves up to 50% of your time over manual testing & hand-written records!



Phase 3 Defibrillator Analyzer

- 1% of Reading Accuracy on all defibrillator types
- Compatible with monophasic, bi-phasic, and pulse bi-phasic defibrillator waveforms
- AED compatible - AED shock advised scenario testing
- Transcutaneous pacemaker testing
- Built-in testing autosequences
- Captures and stores hi-fidelity defibrillator and transcutaneous pacemaker waveforms
- Optional Variable Load Module (VLM) for testing according to AAMI DF-80 and IEC 60601-2-4
- Store test results internally or to the ES601 Plus (when connected for automated testing through ES601 Plus)
- Print test results directly to an external printer or connect to ES601 Plus and print them from stored ES601 Plus data



AMPS-1 Simulator

- Modular multiparameter patient simulator
- Large selection of rates, arrhythmias, performance waveforms, etc.
- Temperature and respiration simulation
- Up to 4 optional channels of invasive blood pressure simulation
- Pacer Pulse
- Cardiac output option
- Fetal Option
- Mechanical fetal heart option
- Full 12-lead ECG simulation / independently derived outputs (physiologically correct)
- Operates off a single 9-volt battery or battery eliminator for extended use simulation



Infutest 2000 Series E
Infusion Device Analyzer

- 1% of Reading Accuracy
- Flow, pressure, volume, and interval tests
- Compatible with all types of infusion devices, including dual-rate, pulsatile flow and PCA Pumps
- Two independent channels of testing
- End-of-Infusion Analysis... accurate volume-to-be infused (VTBI) measurements
- SynchroStart function... extremely useful with pulsatile flow pumps
- Optional RSM Module adds two channels for a total of four independent channels of testing
- PC Utility Software included for storage of test results to a PC (independent of ES601 Plus connectivity) with Trumpet graphs
- Print test results directly from analyzer (independent of ES601 Plus connectivity)



Infutest Solo
Infusion Device Analyzer

- 1% of Reading Accuracy
- Single-channel analyzer for cost effectiveness
- Flow, pressure, volume, and interval tests
- Compatible with a wide variety of infusion devices, including pulsatile flow pumps
- Store up to 120 test results in internal memory (independent of ES601 Plus connectivity)
- Battery powered for portability... battery eliminator for longer term testing
- Print test results directly from analyzer (independent of ES601 Plus connectivity) or connect to ES601 Plus for true automated testing
- PC Utility software included for storage of test results (independent of ES601 Plus connectivity)



Oxitest Plus 7
Pulse Oximetry Tester

- One of the most accurate pulse oximetry simulators on the market
- True simulation... not just ballpark "target value" simulation
- Exclusive Nellcor-Puritan Bennet (Covidien) sensor port for R-curve selection
- Signal artifact simulation
- Oximeter alarm tests
- Manufacturer & model specific R-curve based simulation
- Developed in close cooperation with major pulse oximetry monitoring companies
- Simulation presets include: 5 oxygen saturation levels, 6 preset heart rates, 4 preset amplitudes
- Internal rechargeable battery for portable operation



AccuSim Desktop & Handheld
NIBP Simulators

- One of the most accurate NIBP simulation technology platforms on the market
- True NIBP waveform simulation... not just ballpark "target value" simulation
- Physiologically-correct NIBP waveform technology platform... not just "generic" simulation
- BP Presets: 7 Adult and 6 neonatal
- Optional 12-lead ECG simulation with respiration, temperature, invasive blood pressure, arrhythmias, and pacer waveforms
- Two models to choose from... desktop or handheld
- Manufacturer & model specific NIBP simulation
- Developed in close cooperation with major NIBP monitoring companies
- Internal pump provides automatic leak test, over-pressure test and digital manometer
- RS232& USB ports for remote control operation and easy upgrading
- Internal rechargeable battery for portable operation



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