

FOR RELEASE: IMMEDIATELY

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TIDAL'S SYNERGY™ SERIES DELIVERS
UNSURPASSED INTERCONNECTIVITY & INTEGRATION
TO ENVIRONMENTAL CHAMBER CONTROL

*Comprehensive Series Boasts Next-Generation Technology
to Optimize Process Performance and Throughput,
While Reducing Costs and Development Time*

Randolph, NJ, April 23, 2003...Tidal Engineering, a leader in the design and development of embedded hardware and software for test and measurement and data acquisition applications, today unveiled the Synergy™ Series of patent-pending hardware and software products designed to enhance the overall efficiency of the environmental testing process. The culmination of an extensive, multidisciplinary development process, the Synergy Series provides OEMs, test labs, rebuilders/re-furbishers, and end-users alike with the industry's most comprehensive, single-source solution to exacting temperature and humidity testing requirements. Offering the utmost in integration and connectivity, the Series is comprised of the Synergy Controller with touch screen; embedded Synergy Web Server Software for remote monitoring and control; Synergy Manager Software for control and monitoring of multiple environmental chambers, and the Synergy UUT (Unit-Under-Test) data acquisition module to expand the controller's data acquisition capabilities. The Series is singularly notable for its ability to enhance overall environmental test process performance and cost effectiveness by employing existing LANs, the Internet, and increasingly-prevalent USB Flash Drives.

Tidal's Synergy Series is uniquely engineered for use in environmental testing applications in the broadest spectrum of industries and applications requiring the precise measurement and control of temperature and/or humidity. Among the most common are the electronics, aerospace, automotive, medical and pharmaceutical sectors, where controlled environments are essential for the testing, screening, and calibration of critical systems and components.

The Synergy Controller, utilizing the power and strong feature set of Microsoft® Windows® CE .NET 4.2 embedded operating system, is developed to replace the most popular environmental chamber manufacturers' controllers/programmers, as well as discontinued or unsupported systems. It is specifically engineered as a drop-in replacement for the Tenney VersaTenn II, and VersaTenn III, controllers as it's electrical, mechanical, and physical parameters are functionally identical. Further, it's compatible with the Watlow 942,

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F4, and the Thermotron 4800, making the retrofit process fast and easy for end-users of these chambers as well. Available standard with either a front- or flush-mounted 320 x 240 (color STN) touch screen, the microprocessor-based, two-channel Synergy Controller takes total charge of environmental chambers' conditioning systems. The two control channels may both function as temperature control, or with channel #1 as temperature, and channel #2 as humidity. The unit features RS-232/485, 10/100 Base-T Ethernet, and GPIB communications, as well as a DiskOnChip® Flash Drive, SDRAM and a FD drive for data logging, alarm logging and storage. Also featured is USB storage. Its Windows-based software supports profiling, an unlimited number of setpoint, autostart, hold, jump and stop steps, along with eight event/alarm outputs.

To further enhance the functionality of the Synergy Controller and to maximize process efficiency, control, and accuracy, Tidal developed the Synergy Web Server Software and Synergy Manager Software. The Synergy Web Server Software provides the ultimate remote monitoring and control capabilities as it connects the Synergy Controller to a LAN or the Internet. This highly intuitive, Internet Explorer™ compatible (no other client software required) Web server interface allows operators to view a mirror image of the controllers' touchscreen from any Web browser. Therefore, operators are able to perform such key control functions as process monitoring, set point changes, and managing alarms "on-the-fly".

For applications requiring the control and monitoring of multiple and diverse environmental chambers, Tidal's Synergy Manager Software supports numerous controllers in any combination. This feature-rich program compiles and generates environmental profiles for any chamber from its graphical editor and sports a comprehensive array of performance and activity statistics. Functions supported include are GPIB, RS-232/485, and TCP/IP communications, as well as download control, real-time data logging, graphical profiling, timestamping, e-mail and fax alerts.

Rounding out the Synergy Series to-date is the Synergy UUT, a 16-channel thermocouple data acquisition module. Developed to expand the input capabilities of the Synergy Controller, the interface allows Synergy system operators to capture and log data from up to 64 thermocouples from a unit-under-test.

Tidal also offers RTD (Resistance Temperature Detectors) and TRH (Temperature/Relative Humidity) sensors and probes engineered for employment with the Series.

Pricing for the Synergy Series is: Basic Synergy Controller \$2,995.00; Synergy Manager Software \$595.00; Synergy Web Server Software \$150.00; Synergy UUT Interface \$495.00. Delivery is from stock to 4-6 weeks.

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To learn more about the Synergy Series, visit www.tidaleng.com/synergy.htm, or contact Craig Borax at Tidal via either phone (973/328-1181) or e-mail (craig@tidaleng.com).

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About Tidal Engineering

Headquartered in Randolph, NJ, Tidal Engineering Corporation has been designing and building award-winning embedded hardware and software for test and measurement and data acquisition applications since 1992. The company further provides product development services together with engineering support, and is recognized for technical expertise in such areas as Embedded IEEE 488, and turnkey SCADA (Supervisory Control and Data Acquisition) systems. Tidal's products are available exclusively through ADI American Distributors Inc., an ISO-9002 certified distributor of electronic and electro-mechanical components and assemblies.