

FOR RELEASE: *IMMEDIATELY*

Tidal Engineering Corporation
2 Emery Avenue
Randolph, NJ 07869
973/328-1173; Fax: 973/328-2302
www.TidalEng.com

Contact: Craig Borax,
Craig@tidaleng.com

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**TIDAL'S SYNERGY™ FAMILY OF ENVIRONMENTAL TEST CHAMBER CONTROLLERS
NOW FEATURES THE ¼ DIN SYNERGY NANO**

***Feature-Packed Instrument Maximizes Environmental Test Chambers' Performance
While Providing Data Logging and Networking Capabilities***

Randolph, NJ, October 20, 2008...Tidal Engineering, a leader in the design, development and application of embedded hardware and software for environmental test and data acquisition systems, today announced the release of the ¼ DIN Synergy™ Nano environmental test chamber controller. The 2-channel, multi-processor based controller is the newest addition to Tidal's award-winning Synergy Series of hardware and software expressly engineered to enhance the performance of a broad range of test chambers. Exhibiting unparalleled integration and connectivity efficiencies, the instrument is designed to retrofit easily into nearly every ¼ DIN controller-equipped test chamber and oven including those manufactured by Tenney, Thermotron, Envirotronics, Qualmark, and CSZ. In addition to the Synergy Nano, Tidal's Synergy Series is comprised of the Synergy Micro controller, Synergy Web Server Software, Synergy Manager Software for control and monitoring of multiple environmental chambers, and a Synergy UUT (Unit-Under-Test) thermocouple module. The Synergy Series uniquely provides networking capabilities for office and factory automation as well as test and measurement protocols and standards.

Offering OEMs, test labs, and re-builders/re-furbishers the ultimate in cost-effective integration of control, logging and connectivity features, the instrument is singularly appropriate for use in the broadest spectrum of environmental testing applications including temperature, humidity, vibration, altitude, HALT (Highly Accelerated Life Testing)/HASS (Highly Accelerated Stress Screening), thermal shock, and thermal vacuum testing processes. The Synergy Nano is ideal for use in chambers or ovens when controlled environments are essential for the testing, screening, and calibration of mission-critical systems and components. Among those industries in which the instrument can be confidently employed are electronic systems, semiconductors, aerospace, automotive, medical, and pharmaceutical. It most frequently replaces Watlow F4 and 942, Yokogawa, Partlow 1462, and BlueM Pro-550 environmental chamber controllers.

Utilizing the robust feature set of Microsoft® Windows® CE .NET operating system, and boasting a 320 x 240 (color LCD) touch screen, the one-pound, 3.78" W x 3.78" H x 3.94" D Synergy Nano takes complete command of chambers' conditioning systems. Its logic automatically selects heating/cooling modes as required, and controls programming of process variables versus time. The Synergy Nano moreover gives operators the facility to program up to six custom events outputs to accommodate user applications and optional features. While two of the instrument's control channels can function for temperature control in temperature shock applications, one can be programmed to control temperature while the second manages humidity, altitude, or vibration. Temperature is measured using a platinum RTD or thermocouple, whereas electronic transducers easily accommodate other process inputs. The controller also comes loaded with diverse sophisticated communications capabilities including RS-232, 10/100 Base-T Ethernet, and LabVIEW drivers. Units are shipped standard with 1 GB on-board Flash and 64 MB SDRAM for data logging, alarm logging and storage, along with a USB host port. Furthermore, the Synergy Nano supports program recipes with an unlimited number of set points, auto start, hold, and jump loop steps, besides six event outputs. The instrument is provided in four output configurations: DC open-collector, solid state relays, mechanical relays, and an expanded configuration that provides such enhanced features as GPIB and up to 32 outputs. Built-in remote control/monitoring, a USB bar code reader, and GPIB (IEEE 488) is optionally offered.

To learn more about the Synergy Nano and, visit www.tidaleng.com/nano.htm and to learn more about the Synergy Series and the family of Synergy controllers, visit www.tidaleng.com/synergy.htm, or contact Craig Borax at Tidal via either phone (973/328-1173) or e-mail (craig@tidaleng.com).

Base pricing for the Synergy Nano Controller is \$1,375 to \$2,195 each. Retrofit kits and on-site installation are available. Delivery is from stock to 6 weeks. A Synergy Nano briefcase demonstration unit is also available for evaluation.

LabVIEW™ is a trademark of National Instruments.

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About Tidal Engineering Corporation:

Headquartered in Randolph, NJ, Tidal Engineering Corporation was founded in 1992. The company is globally recognized for designing and building award-winning environmental test chamber control and data acquisition hardware and software. The company further provides application support to OEMs and end-users involved in environmental testing, lab management and data acquisition. Tidal's products and services are widely used in such industries as defense, homeland security, semiconductors, aerospace, automotive, medical, and pharmaceutical.