

**FOR RELEASE: IMMEDIATELY**

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**SINGLE BOARD COMPUTER WITH GATEWAY FIRMWARE  
BRINGS GPIB, RS-232 AND ETHERNET CONNECTIVITY TO  
MOST POPULAR ENVIRONMENTAL TEST CONTROLLERS**

***New Gateway Application Hardware and Firmware Engineered  
Specifically For Applications Requiring The Precise Measurement  
and Control of Temperature and/or Humidity***



Randolph, NJ, October 16, 2004...Tidal Engineering, a leader in the design and development of embedded hardware and software for test and measurement and data acquisition applications, has released the Synergy488™ communications gateway consisting of their popular SBC488E Single Board Computer and application specific firmware to provide Ethernet, IEEE 488/General Purpose Interface Bus (GPIB), and RS-232 communications capabilities to an extensive list of environmental test chamber controllers. This unit is a member of Tidal's Synergy™ Series of patent pending, web-enabled hardware and software products designed to enhance the overall efficiency of the environmental testing process by offering the utmost in integration and connectivity.

Expressly engineered for use in environmental testing applications in the broadest spectrum of industries and applications, The Synergy488's gateway application provides next-generation communication capabilities to the most widely used environmental chamber controllers including the VersaTenn II/VersaTennIII, Watlow F4/924, Yokogawa UP550/750, Blue M Pro-750/Pro-550, and Partlow 1462. Tidal's Synergy488 Gateway may further be ordered to support additional models of environmental chamber controllers by contacting the company. As such, the gateway is ideal for employment in systems and markets where controlled environments are essential for testing, screening, and calibration of critical systems and components. Among the more prevalent are the electronics, aerospace, automotive, medical and pharmaceutical sectors. The Synergy488 unit includes both RS-232 and RS-485 interfaces to communicate with most temperature chamber controllers including units with ModbusRTU™ communications.

The Synergy488 Gateway offers three client communications ports, IEEE 488, RS-232 and Ethernet (Optional). The unit's IEEE 488 interface provides talker, listener and controller functions. The Synergy488 monitors and receives commands from client computers on all three input ports simultaneously, and commands are sent to the chamber controllers in the order in which they were received. Consuming less than 5 W @ 7 to 24 VDC, the device has a wide operating temperature range of -40° to +85°C.

In 25-unit quantities, pricing for the Synergy488, P/N TE1643 operating at 44-MHz with GPIB, RS-232 and 10/100 BASE-T Ethernet client interfaces starts at \$ **450**. each. In 25-unit quantities, pricing for the Synergy488, P/N TE1588 operating at 25-MHz with GPIB and RS-232 client interfaces, starts at \$ **355**. each. Delivery is from stock to 4 weeks.

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### **About Tidal**

*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 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.*