



FOR RELEASE: IMMEDIATELY

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TIDAL'S NEW INTERNET-ENABLED THERMOCOUPLE MONITORING SYSTEM

Randolph, NJ, November 16, 2001...Tidal Engineering, a leader in the design and development of embedded hardware and software for test and measurement and data acquisition applications, released the TCweb, a 16-channel thermocouple monitoring system. Among the most flexible and functional temperature acquisition instruments available, the TCweb connects to the Internet via its built-in 10BaseT Ethernet communication port or optional 56K fax modem. It is therefore configurable to automatically send e-mail reports, and alarm messages, as well as create and serve HTML report pages to any browser with a built-in Web server. By employing the built-in modem, reports and alarms may be transmitted to fax machines. In addition to offering the power to acquire, analyze, and rapidly

furnish precise data, up to 16 units may be connected in a master/slave RS-485 daisy chain arrangement allowing 256 sensors to be monitored on a single Web server.

As temperature limits, thermocouple type and alarms may be set for each individual channel to facilitate unequalled versatility in the configuration of the instrument, the TCweb is ideal for use in a broad range of industries. It is appropriate for such applications as environmental chamber monitoring and validation, drug and food storage monitoring, heat treatment monitoring, and air conditioning and central heating product testing. The unit also is designed for use in automotive R&D testing, domestic and commercial refrigeration, cookers, stoves, and heater product tests.

Tidal's monitor supports J, E, K, R, S, T, B, N, and C-type thermocouples, and boasts a display resolution of 0.1°C. Temperature measurements can be made up to 16 times per second with values reported in either Fahrenheit or Celsius. The TCweb incorporates built-in cold junction compensation and provides two digital-to-analog output channels to transmit two analog voltages for charting. In addition, a Form C alarm relay can be programmed to operate under specified conditions to energize an audible or visual annunciator. Further specifications include an operating temperature range of 32° to 140°F, and a power requirement of 3.5 W at 9 to 28 VDC. Measuring only 7.000" (L) x 5.000" (W) x 1.625" (H), it features a backlit LCD, and may be ordered with up to 8 MB non-volatile flash memory for data logging.

Pricing for Tidal's TCweb Internet-enabled thermocouple monitoring system starts at \$695.00 each, in single unit quantities. Delivery is from stock to 4-6 weeks.

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.