

## FOR IMMEDIATE RELEASE

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### **RAETECH Introduces Programmable Miniature Strain Gage Amplifiers Strain gage users can now easily program gain, offset and temperature compensation from a personal computer.**

Ann Arbor, MI –March 11, 2009 – RAETECH has introduced programmable instrumentation amplifiers for unlimited applications in the automotive, transportation, aerospace, robotic, and bio-med industries. RAETECH's amplifiers meet the increasing need for a small, precision strain gage amplifier that provides temperature compensation while surviving heat, shock and vibration. Programming is done through the power and signal leads, no additional wiring is needed.

Proven reliable in harsh motorsports environments, the RAETECH amplifiers are ideally suited for high performance applications. RAETECH rates the amplifier from -40°C to +125°C and has tested it from -55°C to +165°C with full functionality. The amplifiers provide precision 5V bridge excitation, output 0.1-4.9V, and accept 8-36 VDC power. The amplifier itself is smaller and lighter than a nickel; it measures 18mm x 9.7mm x 4.4mm, weighs only 1.5 grams and is environmentally protected.

The RAETECH amplifier is available as a bondable module or in-line assembly. Gain and offset are PC programmable and adjustable as requirements change. Gain and offset thermal compensation can be controlled via on-board or remote temperature sensing. This functionality eliminates the additional complexity and failure rate associated with compensation resistors. RAETECH's software is user-friendly with interfaces to accommodate both novice and expert users. The USB-powered programming module is available separately.

Pricing of RAETECH's strain gage amplifiers ranges from \$300-\$400 USD and includes a calibration based on customer specs. The programming module and software suite is available for \$500 USD. Products are in stock for immediate shipping.

To learn more about RAETECH's programmable precision strain gage amplifier, please visit [www.raetech.com/amp](http://www.raetech.com/amp). More information about RAETECH's other products and services are available at [www.raetech.com](http://www.raetech.com). Inquire at [info@raetech.com](mailto:info@raetech.com) or call (734)665-2215.

#### **About RAETECH Corporation**

RAETECH is a mechanical engineering consultancy serving the transportation and motorsports industries. RAETECH offers a comprehensive list of services pertaining to product development including product concept consulting, product design and analysis, product prototyping, and product testing. In addition to the strain gage amplifiers, RAETECH also manufactures a complete line of load cells targeting the motorsports industry.