

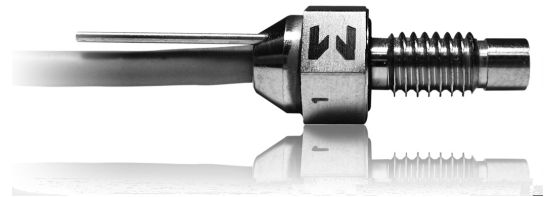
Press Information

June 26, 2007

Endevco sensors assist winning team in international vehicle safety design competition sponsored by the National Highway Traffic Safety Administration

Endevco Corporation, the leader in sensing solutions for demanding vibration, shock and pressure applications, has provided key pressure sensors used by the winning team in an international vehicle safety design competition.

A team of graduate students working at the Virginia Tech - Wake Forest University Center for Injury Biomechanics has won an international design competition sponsored by the National Highway Traffic Safety Administration. The project took first prize at this year's Enhanced Safety of Vehicles Conference held June 18-21 in Lyon, France. The competition included eight other teams representing North America, Asia and Europe.



The winning project, entitled "Design, Development, and Analysis of a Pulmonary Surrogate for use in ATDs," involved development of a surrogate lung that can provide increased data to improve vehicle safety. Using high-accuracy model 8510C-15 pressure sensors from Endevco, the lung model measures pressure spikes seen by the lung in vehicle impact testing. This tool can be developed to relate pressure data to injury levels and provide a predictor for occupant protection of the vehicle being tested. Also, by estimating the relatively low cost of such a tool, the students were able to show significant value in collecting and analyzing pressure information.

"Since thoracic trauma is second only to head injury rates in automobile accidents, this area of study is extremely important to pursue," said Amber Bonivtch, Wake Forest University team member.

The Endevco model 8510C is a rugged, miniature, high-sensitivity, high-resonance, piezoresistive pressure transducer that is ideal for measuring dynamic pressure. Available in ranges from 15 psi to 100 psi, features include a four-arm strain gage bridge ion implanted into a unique sculptured silicon diaphragm for maximum sensitivity and wideband frequency response, self-contained hybrid temperature compensation for stable performance over a temperature range of 0°F to 200°F (-18°C to +93°C), excellent linearity (even to 3X range), high shock resistance, and high stability during temperature transients.

Dave Bucka, automotive market segment manager for Endevco, stated, "Future generations of ATDs (crash dummies) may be equipped with surrogate lungs based on this award-winning work by these students. For years, Endevco has worked to provide leading edge measurements to the automotive safety industry. We are proud to support this team and congratulate them on their success at Lyon."

For more information on Endevco sensing solutions, visit www.endevco.com or email applications@endevco.com.

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