# Pressure transducers support wind tunnel testing, turbulent airflow measurements, and other high-intensity aerodynamic testing

Meggitt Sensing Systems has announced the successful application of Endevco 8507C rugged, miniature piezoresistive pressure transducers, as well as its full range of acoustic microphones, to support the requirements of hypersonic, transonic and "quiet flow" wind tunnel testing; turbulent airflow measurements; and other high-intensity aerodynamic testing.

Available in the industry’s most extensive low pressure offering of 1, 2, 5 and15 psig ranges with a 300 mV full-scale output and up to 20X minimum burst pressure (1 and 2 psig versions), series transducer output is  three times that of any other industry pressure transducer at comparable ranges. The Endevco 8507C features an active four-arm strain gauge bridge, diffused into a sculptured silicon diaphragm, for maximum sensitivity and wideband frequency response. The 0.092-inch (2.34 mm) cylindrical housing of the Endevco 8507C is designed for space constrained installations, or for those which do not require threaded mounting. Its small size even permits flush mounting on curved surfaces. Self-contained hybrid temperature compensation provides stable performance over an operating temperature range of -18 to +93°C (0 to +200°F), with excellent thermal transient measurement stability. The transducers also feature linear performance to 3X range and high shock resistance, along with the highest available output for size ratio. Recommended accessories include the Endevco 126 three-channel DC bridge amplifier; model 136 three-channel signal conditioner; model 4430A bridge transducer signal conditioner,

or the Endevco 4990a Oasis rack-mounted signal conditioner.

For detailed technical specifications, drawings or additional information, visit www.meggittsensingsystems.com [1].

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[1] http://www.meggittsensingsystems.com