

PRODUCT ANNOUNCEMENT

FOR IMMEDIATE RELEASE

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100510 SWIVEL HEAD AIR DATA BOOM
SUB-SONIC, COST-EFFECTIVE DESIGN

Frankfurt am Main, AirTec 2006 -- SpaceAge Control representative Electronic & Mechanic Power Parts is exhibiting the 100510 swivel head air data boom that offers sub-sonic data collection of angle of attack (alpha), angle of sideslip (beta), static pressure, and total (pitot) pressure. Both pressure ports are located in the swivel mounted head of the boom allowing a precise measurement while the head is automatically adjusted up to a $\pm 21^\circ$ cone of variance for angle of attack or angle of sideslip. Applications include a broad range of flightcraft including military attack and cargo aircraft, commercial aircraft; trainers, drones/RPVs/UAVs, helicopters, and general aviation aircraft. The product is now being used in experimental aircraft, business jet, and helicopter applications.

The 100510 air data boom is constructed from machined aluminum, stainless steel, and brass. The angle of attack and angle of sideslip vanes use precision, long-life (20+ million shaft revolutions), dual-ganged, conductive plastic potentiometers. Synchro output and dual vane configurations are optionally available.

The swivel head air data boom weighs less than 3 lbs. and is approximately 28 inches in length. It can be mounted on the aircraft nose, wingtip, or tail. Speed range is up to 500 knots.

With a broad customer base of commercial, research, academic, military, defense contractor, and government users, designed for the precise and reliable air data acquisition needs of vehicle racing, flight test, and experimental aircraft programs, SpaceAge Control air data products have proven their value across the world for over 30 years.

SpaceAge Control air data products can be tailored for each application. SpaceAge Control products are represented exclusively in Germany, Austria and Switzerland by Electronic & Mechanic Power Parts Frankfurt.

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