



100700-02 heated air data boom

News Release

100700-02 HEATED AIR DATA BOOM

Sub-Sonic, Cost-Effective Design

PALMDALE, CALIFORNIA USA -- Adding to its line of air data products, SpaceAge Control, Inc. is now shipping the 100700-02 heated, straight nose air data boom that offers sub-sonic data collection of angle of attack, angle of sideslip, static pressure, and total (pitot) pressure. Applications include a broad range of flightcraft including military attack and cargo aircraft; commercial aircraft; trainers; drones/RPVs/UAVs; helicopters; racing aircraft; and general aviation aircraft. The product is now being used in experimental aircraft, business jet, and helicopter applications.

Based on a heated probe wind-tunnel tested to Mach 0.95, the 100700-02 air data boom is constructed from machined aluminum, stainless steel, and brass. The heated probe is 28-volt DC powered (145 watts) and meets the requirements of MIL-T-5420B and SAE AS 393. The heated probe provides a heated, internal water trap and drain.

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 heated air data boom weighs less than 6 lbs. and is approximately 30 inches in length. It can be mounted on the aircraft nose, wingtip, or tail.

Priced at less than \$20,000, the 100700-02 gives users high price/performance compared to alternatives. Shipment leadtime is typically 30 days or less allowing for fast turnaround and low spares inventory requirements.

SpaceAge Control has produced off-the-shelf and customer-engineered air data products for over 30 years. The company may be reached at 661-273-3000 (fax: 661-273-4240, <mailto:email@spaceagecontrol.com>, <http://www.spaceagecontrol.com>).

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Editorial Contact

Tom Anderson, Application Development Manager
SpaceAge Control, Inc.
38850 20th Street East
Palmdale, CA 93550 USA
661-273-3000 Ext. 102, 661-273-4240 (fax)
email@spaceagecontrol.com