



100800 trailing bomb

## News Release

### 100800 Trailing Bomb Gives Superior Total and Static Pressure Measurements

Gives Air Data Variables for Calculation of Aircraft Airspeed and Altitude

PALMDALE, CALIFORNIA USA -- Rotary and fixed wing aircraft can obtain higher accuracy air data by using the SpaceAge Control 100800 trailing bomb. The 170-oz. (4.82 kg) trailing bomb is deployed outside the aircraft's airstream allowing much higher total and static pressure measurement accuracy.

Constructed of machined and brazed stainless steel, aluminum, and brass, the 100800 trailing bomb is extended below and aft of the aircraft with a small-diameter cable during flight. This installation method avoids the aircraft modifications required when air data booms are used on the nose of the aircraft.

With a length of 22 inches (559 mm) and a diameter of 10 inches (254 mm), the product is easily stowed within the aircraft during periods of non-use. Developed in concert with the U.S. Army, the trailing bomb has been used on a number of current helicopter flight test programs including the UH-60, V-22, Apache, and Apache Longbow.

The trailing bomb design was developed in part from information from [NACA Technical Note 616 \(The Measurement of Air Speed of Airplanes\)](#) (pdf file).

SpaceAge Control designs and manufactures air data products and miniature position transducers (displacement sensors) used in a broad array of leading edge applications ranging from NASCAR and Formula 1 racecars to the F-22, V-22, and RAH-66 aircraft to the Delta IV rocket. The ISO 9001- and AS9000-compliant company was started in 1968 and is located in Palmdale, California USA.

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## Other Resources

- [Installation Drawing](#)
- [Usage Note](#)
- [CAD file \(ACIS\)](#)