



**RCATS**

**RCAT Systems**

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## Lightweight, Low Moment of Inertia Alpha Beta Probe

RCATS is pleased to announce the availability of a lightweight, low moment of inertia Alpha Beta Probe for angle of attack and sideslip measurements for lower speed applications.

Because each vane's shaft is entirely free floating (not tied to a potentiometer), the vanes are very light and respond well to low speed applications. Vane size is therefore reduced and moment of inertia is low.

### Specifications

- Light weight carbon fiber construction
- Dual ball bearing supported metal shaft
- 0.75 degree resolution
- +/- 1 deg accuracy
- Analog or PWM (2kHz) output
- Total weight: approximately 3oz with cable
- 5V nominal operation

### Dimensions

- Tube diameter:  $\frac{3}{4}$ "
- Length: Min 10", max approx 24"
- Height to top of vane from probe centerline: 3.5"

### Pricing & Availability

- \$800.00
- These probes are custom built on an as ordered basis. Call or email for details. We would be happy to discuss building a custom probe for your application

