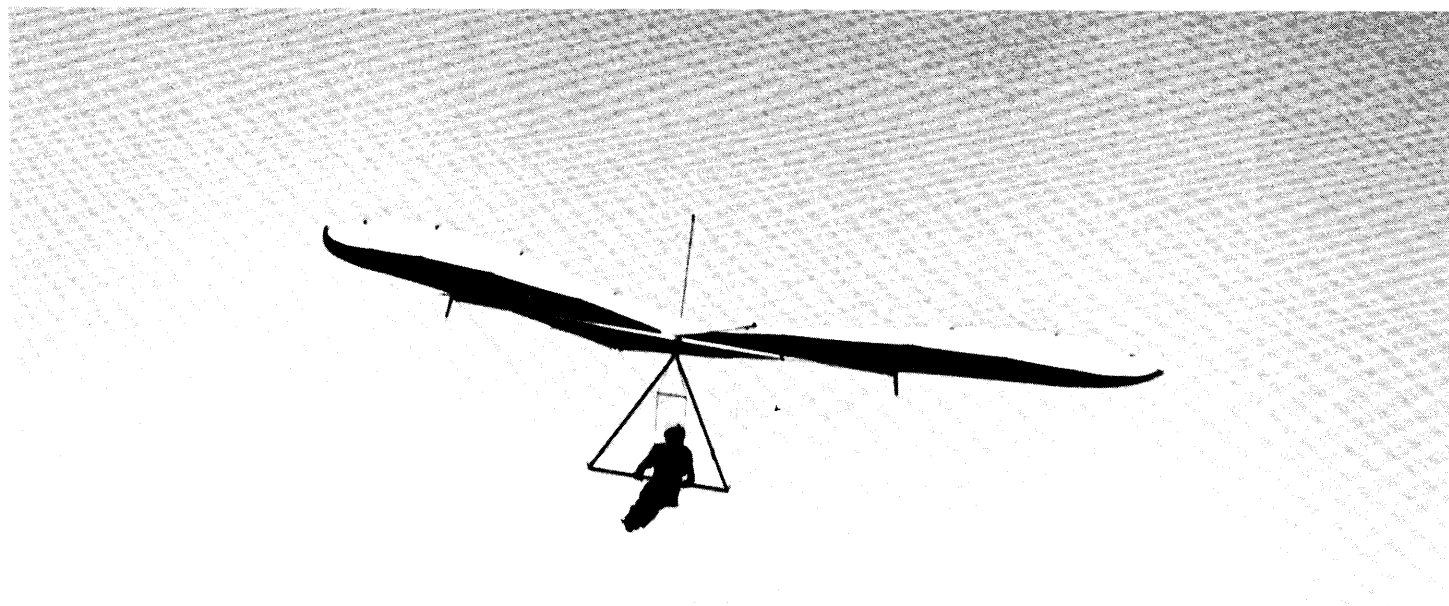


# SENSOR II



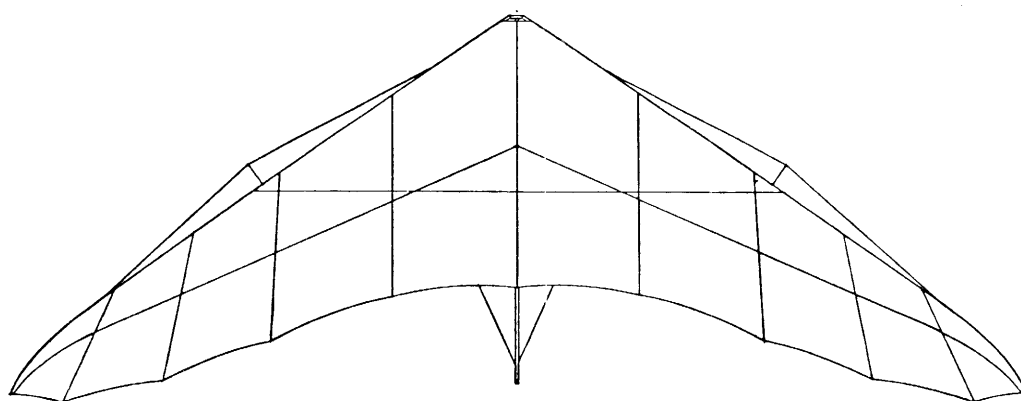
## Specifications

### Model Sizes

Leading edge - ft.	9.2
Keel length - ft.	32.8
Wing span - ft.	165
Wing area - sq. ft.	6.5
Aspect ratio	110
Nose angle - degrees	0.5
Sail billow - degrees	36
Weight - lbs.	140-180
Pilot weight - lbs.	1.2
Wing loading - lbs. sq. ft.	10
Set-up time - min.	

### Estimated Flight Performance

Take-off speed - mph.	12
Stall speed - mph.	14
Maximum speed - mph.	45
Best glide (L/D) ratio	9.1
Speed for best L/D - mph.	25
Minimum sink rate - ft. min.	225



## General Description

The Sensor II is a high performance class flex-membrane wing with easy ground and air handling characteristics. With its Flare Tips<sup>®</sup>, the newest in advanced tip design, the Sensor II is exceptional in its ability to eliminate tip stall during steep banked turns and parachuting. The wing tips are extended with a Flare Tip Batten<sup>®</sup> which allows the tip to flex in the angle of attack. The airfoil is a semi-double surface inflated type.

## Materials and Construction

### Airframe.

Made from 6061-T6 and 2024-T3 aluminum tubing that is doweled and bushed.

### Rigging.

Cable is 3/32" 7 x 7 vinyl coated stainless steel aircraft quality.

### Hardware.

All aircraft quality parts.

### Sail.

Made from 3.8 oz. Howe & Bainbridge stabilized dacron with reinforcement in stress areas and double zig-zag stitched. The sail is fully battened.

### Pilot Support System.

Optional Seated or prone harness.

## Special Features

The Sensor II's Flare Tips<sup>®</sup> gives it a tip inertia that is lower than any comparable wing. This very light and flexible concept allows for rapid turn response, light tip gust effects, lower induced drag and improved washout distribution. The airfoil gives high L/D and low moment. The keel is reflexed and cambered for positive pitch moment.