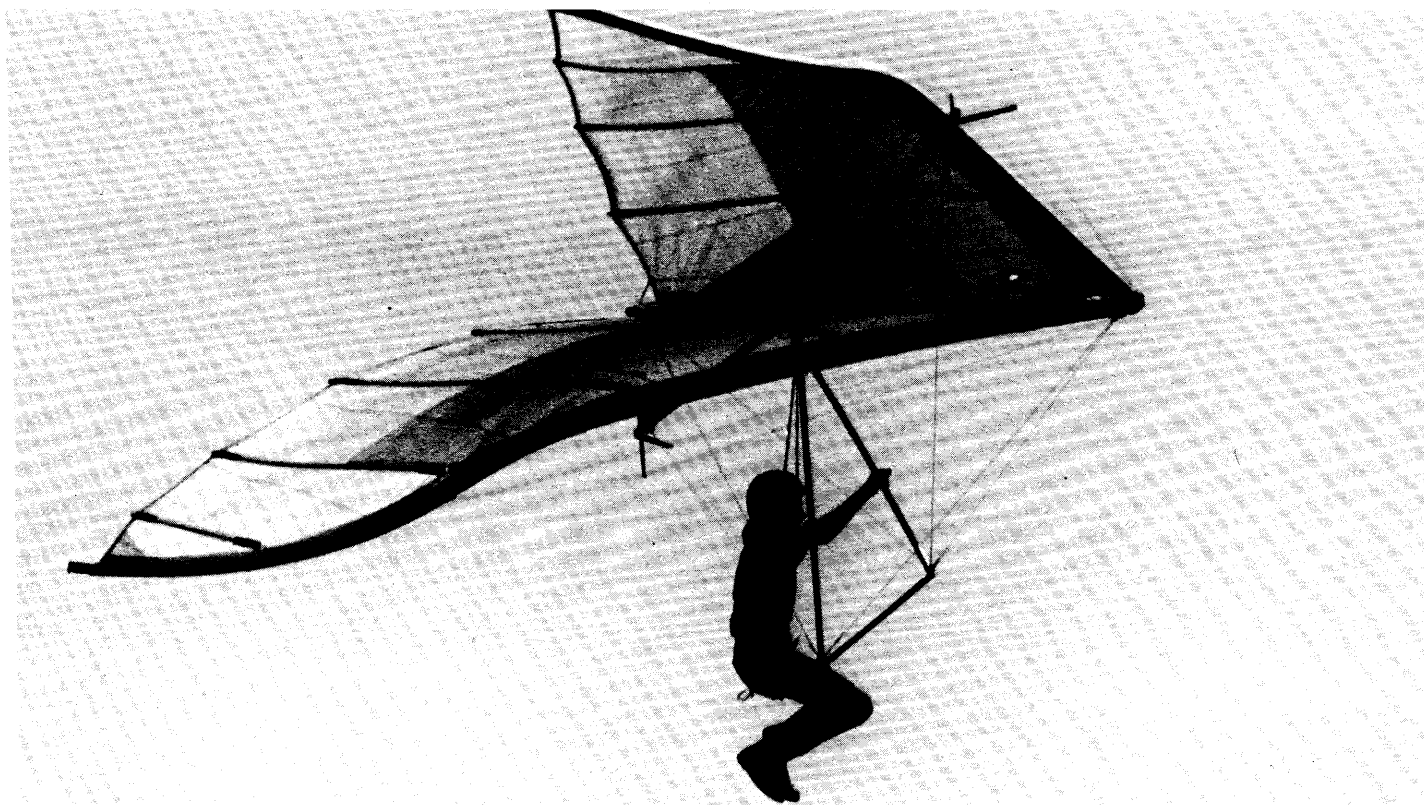


SENSOR I



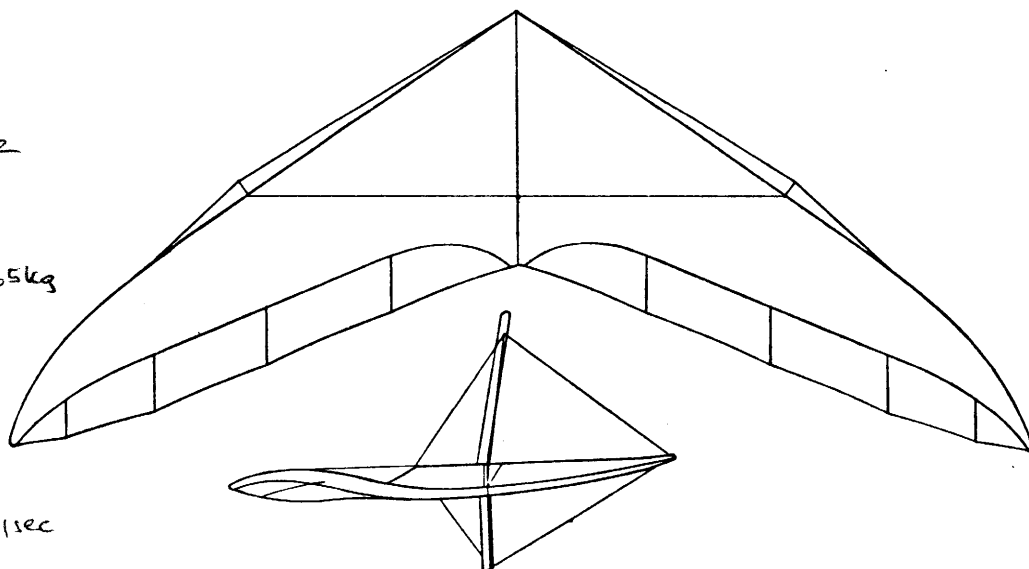
Specifications

Model Sizes

Leading edge - ft.	—
Keel length - ft.	7.5
Wing span - ft.	29.5
Wing area - sq. ft.	145 <i>13,5 m²</i>
Aspect ratio	6
Nose angle - degrees	110
Sail billow - degrees	0.25
Weight - lbs.	45
Pilot weight - lbs.	130-160 <i>ideal: 65 kg</i>
Wing loading - lbs./sq. ft.	1.4
Set-up time - min.	10

Estimated Flight Performance

Take-off speed - mph.	15
Stall speed - mph.	16
Maximum speed - mph.	45
Best glide (L/D) ratio	8:1
Speed for best L/D - mph.	25
Minimum sink rate - ft./min.	275 <i>1,40 m/sec</i>



General Description

The Sensor is an advanced design flex wing that features a double surface sail and swept truncated tips. Very stable in comparison to most high performance kites, faster than most standards, and good penetration and minimum sink. It has positive dive recovery with full sail deflation because of rigid truncated washout. This glider has been the test bed for diffusor tip theory in flex membrane wings.

Materials and Construction

Airframe.

Made from 6061-T6 1 1/4" x .049 anodized aluminum tubing.

Rigging.

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

Hardware.

All aircraft quality parts.

Sail.

Made from 4.25 oz. and 3.0 oz. stabilized dacron. Available in white only.

Pilot Support System.

Optional seated or prone harness.

Special Features

Diffusor tips have been highly developed through extensive testing and experimentation to provide optimum control.

H 1018 Manufactured by Seedwings