

THE CROSSFELL ELECTRIC VARIOMETER



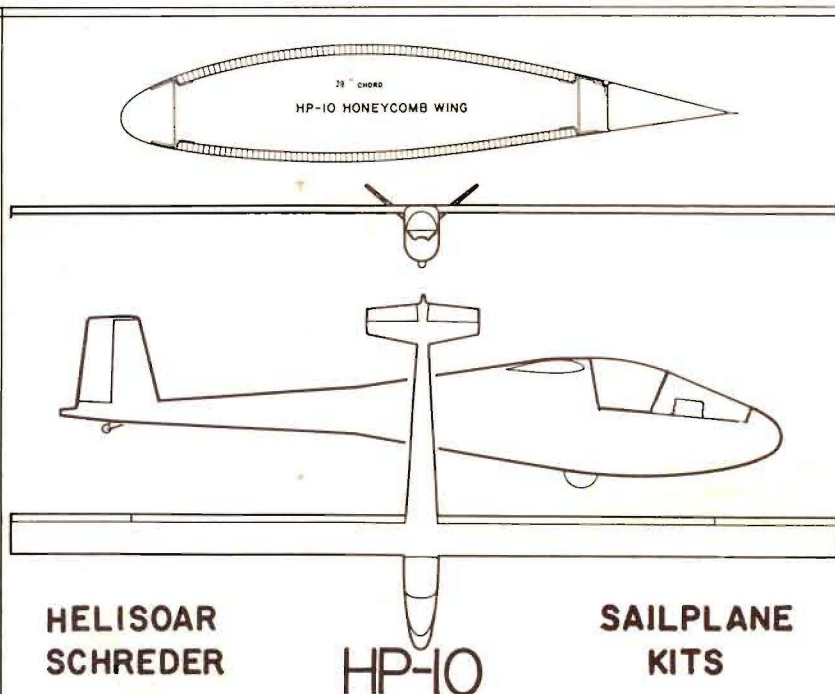
- The speed of response and variable sensitivity of this instrument make it unsurpassed for indicating thermals.
- Available from U.S. stock at \$97.00, f.o.b., Altadena, Calif.
- Total Energy and Audio attachments also available.

sole U.S. distributor

write for descriptive literature

METEOROLOGY RESEARCH INC.

2420 N. LAKE AVE.
ALTADENA, CALIF.



Dick Schreder designed the HP-10 as a fast and able contest sailplane, to be supplied as a kit offering the economy and freedom to be customized that is provided through Amateur Experimental Certification. Safety is assured by metal construction and by very effective large span flaps. The substitution of flaps instead of spoilers provides a smooth unbroken upper surface for the laminar flow wing. Flaps also allow the pilot to vary the wing lift and drag characteristics. Raising the flaps above normal permits low drag for fast running, lowering them slightly improves the sinking speed for soaring, half flap permits slow landing speed, and full flap gives drag braking and steep approaches. The kit contains all the material for construction of the sailplane except instruments, cushions and paint. The material is cut out, formed, welded

where required, for the amateur builder to finish to size, trim, fit, burr, drill, rivet and assemble. Shipping crates are marine plywood so they may be used as part of the enclosed trailer, for which plans are supplied. The kit was carefully developed to comply with the requirements of FAA Amateur Built Experimental certification under CAM-1. Complete instructions with drawings are included. Calculated performance indicates a glide of 37 to 1 and sinking speed of 2 ft. per sec. with flap. Design max. speed is 150 MPH. The non-tapered narrow laminar section wing incorporates honeycomb sandwich wing skins for aerodynamic smoothness and simple construction. Span is 48 ft., aspect ratio 20. The 15 sq. foot flaps have a span of 32 feet and deflect 75 degrees. HP-10 sailplanes have flown in U.S. National Soaring meets in 1961 and 1962.

Kits may be purchased in four separate shipments.

Send two dollars for full technical brochure and color photo to
HELISOAR AIRCRAFT, INC., P.O. Box 603
Municipal Airport, Danbury, Conn.



BUILD the little, all-metal D-8 sailplane. 32-ft. span. Easy to build — rugged. Engineered by designer of world-famous aircraft. License experimental (amateur-built), CAR Part 1. Plans, including full-scale rib and bulkhead layouts — only \$29.95. Specs, 3-view, description — \$1.00. Pacific Aircraft Company, 5942 Avenida Chamnez, La Jolla, California.

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Materials Available

The SSA has a variety of items available on a free distribution basis, unless otherwise specified. Request by item number or name from SSA, Box 66071, Los Angeles 66, California.

Item 3. FAI soaring awards application forms.

Item 4. SSA membership application forms (postage paid business reply envelopes).

Item 6. "SOARING . . . The S.S.A. . . . and YOU" pamphlets, telling about the sport of soaring, glider pilot certificates, how soaring is organized, what the SSA is and what it does, and how to get started in soaring. Ideal for answering the questions of prospective soaring enthusiasts.

Item 7. Region lists of soaring clubs, SSA Directors and Governors, by SSA region number, as excerpted from the SSA Directory. Gives club addresses, meeting times and places, flying sites and contact persons. Specify states desired.

Item 8. List of Manufacturers and Suppliers of Plans, Kits, Partially completed and Ready-to-fly Gliders and Sailplanes—U.S. Manufacture. Includes brief description, price, manufacturer's name and address. New equipment only.

Item 9. List of Soaring Schools and Commercial Glider Operators in the U.S., giving location, equipment and prices, where known.

Item 10. List of Books on Soaring, where they may be obtained, prices and brief description of each.

Item 24. Incorporation Procedures—California. Intended to show non-profit soaring clubs the way to incorporate, with specific details for the state of California.

Item 25. Suggested Bylaws for Soaring Clubs. Distribution limited to those seriously attempting to form new clubs.

Item 28. Used Sailplanes For Sale List. All known used sailplanes for sale for which the owner has given permission to add to this list. Latest revision due is Dec. 26, 1962.

Item 30. Film Library List, with rules governing use of the films. Request from Walter B. Hausler, 67 Fisher Rd., Rochester 11, N.Y.

Item 38. How to Start a Soaring Club. Six pages of suggestions.

Item 39. State Soaring Records Rules and Application Form. Available from State Governors or SSA.