

PROTRACTOR TRIANGLE

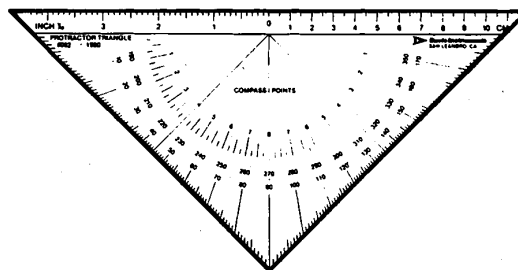
INSTRUCTIONS

Note: This product was discontinued as a separate offering in 2005, but may still be purchased as part of the Davis Charting Kit #083.

The Davis **Protractor Triangle** includes a protractor scale for use in tight places (such as the chart tables on small boats). Combined with a parallel rule, the triangle allows you to plot courses accurately. Essential for easily measuring right angles, celestial azimuth angles, and lines of position. The base edge has inch (1/10th) and centimeter scales. The protractor scale reads in accurate 1 degree increments or a 32-point compass scale. Made of durable, flexible and nearly unbreakable plastic for use on uneven surfaces. Measures 9 1/8" x 6 5/8" x 6 5/8" (23 x 17 x 17 cm).

TO MEASURE COURSE BEARING:

- 1) Extend the course line so that it intersects either a meridian of longitude or a parallel of latitude.
- 2) **If course line intersects a meridian**, place the 180° line of the triangle along the course line. Slide the 180° line along the course line until the center point of the triangle is at the intersection of the meridian and course lines. Read the angle at the meridian. Use the outer scale if you are traveling in an easterly direction, and the inner scale if you are traveling in a westerly direction.
- 3) **If course line intersects a parallel**, place the 90° line of the triangle along the course line. Slide the 90° line along the course line until the center point of the triangle is at the intersection of the parallel and course lines. Read the angle at the parallel. Use the outer scale if you are traveling in a southerly direction, and the inner scale if you are traveling in a northerly direction.
- 4) To find magnetic course, add or subtract the local variation given for your area in the center of the compass rose on your chart.



Highest quality printing: features sharp printing process, high gloss finish on front and back, and over-lamination for durability.

OTHER USES OF PROTRACTOR TRIANGLE:

- 1) Extend a line by sliding one triangle against another or against other plotting tools.
- 2) Lay off bow or beam bearings.
- 3) Measure distance using handy inch and centimeter scales on base edge.

Davis Instruments

3465 Diablo Ave., Hayward, CA 94545 U.S.A.
Phone (510) 732-9229 • Fax (510) 732-9188
info@davisnet.com www.davisnet.com