

**Weems & Plath®**

*Manufacturer of Fine Nautical Instruments*



**2008**  
**Navigation**  
**Instruments**

# *The Weems and Plath® Story*

*80 years of Innovation and Quality*

*In May of 1919, eight years before Lindbergh's famous solo flight, three small planes set out from Newfoundland headed for London in an attempt to make the first trans-Atlantic flight. Only one of them made it. Twenty-five hundred feet below on board a station tracking ship, a young navigator, Lt. Cdr. Philip Van Horn Weems, U.S. Navy, gazed up and thought there must be a safer and simpler way than using a small armada of ships as beacons for the flight.*

*For centuries, man had relied on the heavens, on the circling planets and the constant horizon to guide him in his travels. An accurate clock, a compass, a sextant and charts were the necessary tools for plotting a course, but these required time for computations and a place to spread out and study the charts. The timeworn system of celestial navigation was ill suited to the cockpit, but the airplane was here to stay. Lt. Cdr.*

*Weems, a brilliant, inventive and determined young man knew as he tracked that first flight that navigation was his destiny, and he went on to revolutionize the field with his ideas, writings and inventions.*

*The challenge he undertook was complex and involved the invention of new methods and new tools. It required a horizon system independent of the sea horizon that was often not visible from the cockpit of a plane. Weems worked for years to develop a new kind of sextant and to find someone to manufacture it. When an accurate timepiece was needed, Weems invented the Second Setting Watch with its inner rotating dial. He produced the famous Weems Plotter, the more precise and easier to use plotting tool, which is still one of our most popular plotters (see pages 6 and 7).*

*All his life, Weems continued to improve the instruments and broaden the applications of his methods until they came to include radio astronomy, polar exploration and even space navigation. He published numerous articles and taught navigation at the Naval Academy in the 1920's. He went on to establish his own school in Annapolis to teach The Weems System of Navigation. Charles Lindbergh studied with Weems before attempting his trans-Atlantic flight. Admiral Byrd, a classmate of Weems at the Naval Academy, came to Weems for instruction before setting out for the North Pole, as did many others.*

*A century earlier, Carl Plath's company in Hamburg, Germany - C. Plath, had been manufacturing the finest commercial sextants and magnetic compasses available. C. Plath developed the first gyrocompass installed on a commercial vessel in 1913. Weems' school for navigation had become the purveyor of Weems' instruments. It was a natural development for Weems' company to become the North American source for C. Plath's fine instruments; hence the alliance of two distinguished names - Weems and Plath. The exceptional workmanship that both Philip Van Horn Weems and Carl Plath required in developing the manufacturing of precision navigation tools remains at the heart of all our products today.*

*Today, Weems & Plath is still located in the Chesapeake Bay town of Annapolis where it began so many years ago. We are committed to supplying the world with the finest nautical products available while maintaining the high standards of service that have distinguished Weems & Plath from its inception.*



Capt. Philip Van Horn Weems



Carl Plath



# The Weems Navigator Watch



*Commemorating 80 years since Weems invented  
the famous Second Setting Watch.*



2006B



Night View



2006W

*Styled after the famous Weems Second Setting Watch designed by Captain Philip Van Horn Weems in 1928 and used by famous aviators including Charles Lindbergh and the U.S. Air Force during World War II. The Swiss-made watch has a rotating bezel which can be set as a visual reminder to monitor elapsed time. The dial and hands are fitted with gaseous tritium light source (GTLS), a technology formerly only found in professional dive watches.*



Weems with Second Setting Watch  
circa 1928.

## Features:

- Accurate Swiss-made quartz movement.
- Gaseous Tritium Light Source (GTLS) illuminates hour markers and hour/minute/second hands.
- Water resistant to a depth of 330' (10 ATM).
- Uni-directional bezel rotates to align guide marker with second or minute hand to monitor elapsed time.
- Date window showing day of the month.
- Available with black or white dial.
- Two watch bands - Water resistant black Italian calfskin - Waterproof black rubber sport band.
- Mineral glass crystal.
- Warranty - 2 years.
- Each watch is individually numbered.
- Limited production, available through selected distributors.
- Black leatherette storage case.
- Strap changing tool included.
- Case size: 1-3/5" diameter (42mm).
- Weight: 0.6 lb. (272 g).

2006B Weems Navigator Watch (Black Dial)  
2006W Weems Navigator Watch (White Dial)



# NAVIGATION INSTRUMENTS CATALOG

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Please refer to the general Weems & Plath® catalog to see the full line of clocks, barometers, lamps and other accessory items that are not included in this catalog.



*Dear Customer,*

*For over 80 years, we have taken great pride in building each of our products with the goal of providing the highest quality possible. Every step of this building process, from development to production, is taken with meticulous care. Our products are meant to be enjoyed for a lifetime, and it is with confidence we offer a limited lifetime warranty on most. We also strive to provide exceptional service and encourage you to let us know how we are doing.*

*Always a hand's width of water under your keel,  
Peter Trogdon  
President*





## LIGHTdivider

276

- New innovative design for day and night use.
- Red LED light built into each leg for use in low light conditions.
- Center adjustment mechanism allows quick, precise operation.
- Tool functions as both a compass and divider.
- Battery lasts approximately 20 hours with lights on.
- Spare point, lead and knob provided.
- Complete instructions included in package.
- Length: 7" (178 mm).
- Wt: 0.19 lb. (86 g).

### Accessories:

- 7231 Spare Leads for Dividers (2 per box)
- 7291 Spare Leads for Dividers (15 per box)



## Ultralight Dividers/Compass 176

- Constructed of coated marine alloy to resist corrosion.
- Gear synchronized arms allow one-hand use and provide excellent point alignment, while center wheel/extension bar construction allows for fast action and precision adjustments.
- Features hardened stainless steel points.
- Fully adjustable.
- Replace point with lead (supplied) — it becomes a navigator's compass.
- Made in Germany
- Length: 7" (178 mm).
- Wt: 0.19 lb. (86 g).

### Accessories:

- 7231 Spare Leads for Dividers (2 per box)
- 7291 Spare Leads for Dividers (15 per box)



## Professional Brass Pencil Compass

1049

- Solid brass with angled stainless steel point.
- Adjustable pencil mount and pencil angle.
- Draws 24" (610 mm) circle.
- Includes pencil, sharpener and plastic pouch.
- Length: 8-1/4" (210 mm).
- Wt: 0.32 lb. (145 g).

## Millennium Navigation Kit

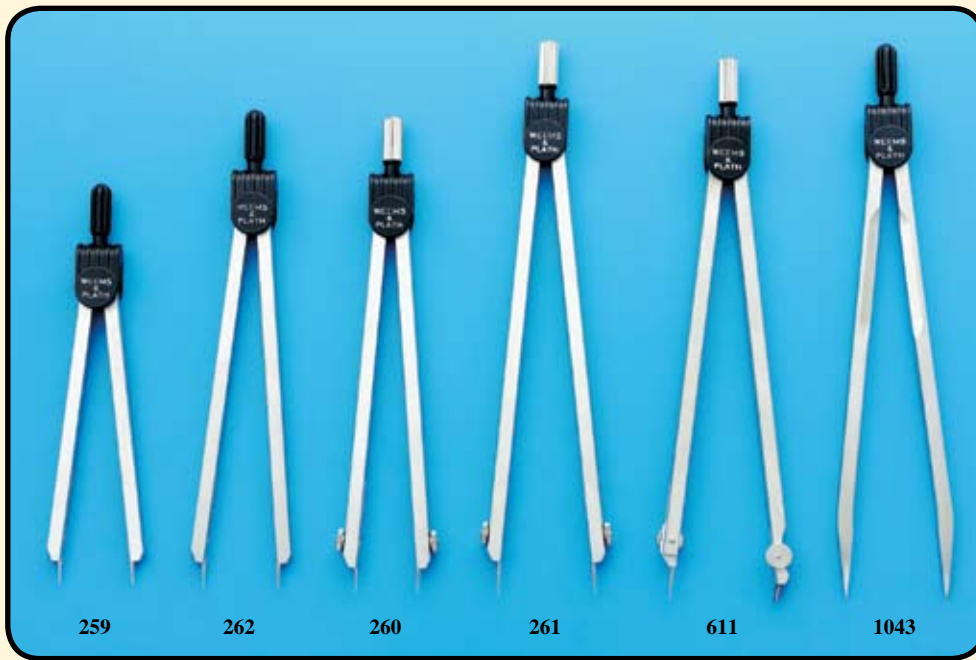
178

- Contains divider and compass made from polyamide/glass fiber composite.
- Protective vinyl case.
- Spare leads included.
- Made in Germany.
- Length: 6" (152 mm).
- Wt: .5 lb. (227 g).



## Millennium Dividers/Compass 179

- Unique ergonomic design facilitates one-handed operation.
- Made from polyamide/glass fiber composite.
- Nickel free and rustproof.
- Lead and spare points included.
- Made in Germany.
- Length: 6" (152 mm).
- Wt: 0.19 lb. (86 g).

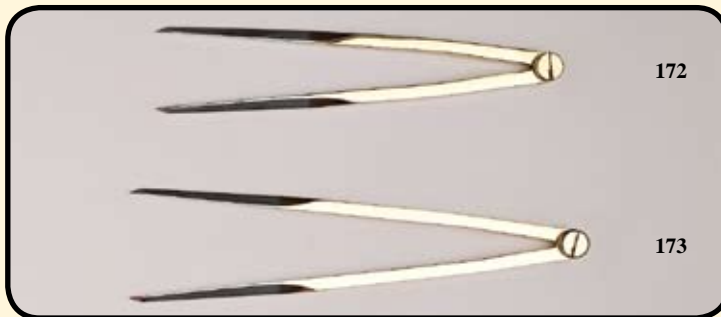


### Matte Nickel Instruments

- Lightweight matte nickel-plated, brass dividers and compasses are ideal for all applications.
- Available in three lengths: 5", 6" or 7".
- Wt: 5" - 0.1 lb. (45 g).  
6" - 0.1 lb. (45 g).  
7" - 0.16 lb. (73 g).

#### Available Sizes:

- 259 5" (127 mm) Fixed Point Dividers
- 260 6" (152 mm) Removable Point Dividers
- 262 6" (152 mm) Fixed Point Dividers
- 261 7" (178 mm) Removable Point Dividers
- 611 7" (178 mm) Matte Nickel Compass
- 1043 7" (178 mm) Straight Pattern Dividers



### Straight Pattern Dividers

172 (7")

173 (8")

- Made with brass arms and polished stainless steel tips.
- Adjustable tension.
- Hand-sharpened points.
- Wt: 7" (178 mm) - 0.2 lb. (91 g)  
8" (203 mm) - 0.3 lb. (136 g)

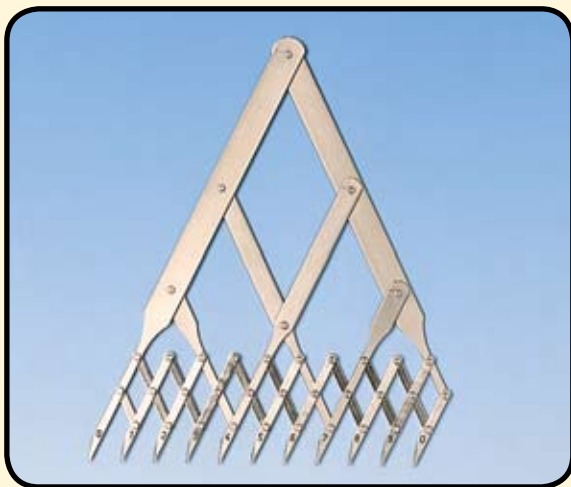


### One Hand Dividers

170 (7")

171 (8")

- Can be opened and closed with one hand while performing chart work.
- Handle is brass, and tapered sides are bright finished marine alloy.
- Wt: 7" (178 mm) - 0.2 lb. (91 g)  
8" (203 mm) - 0.3 lb. (136 g)



### Ten Point Dividers

719A

- 6" equal spacing divider.
- Manufactured from highest quality stainless steel.
- Eleven numbered points allow easy conversion of distances.
- Excellent tool when interpolating Loran, or plotting and calculating using the decimal system.
- Length: 6" (152 mm).
- Wt: 0.22 lb. (100 g).



### Weems & Plath® Proportional Dividers

4548

- Highly accurate speed-time-distance computer.
- Distance, picked off chart between divider points, can be immediately converted to unknown speed or time.
- Made in Germany of silver/nickel alloy with stainless steel points.
- FSN 6605-00-682-4548.
- Length: 8" (203 mm).
- Wt: 0.5 lb. (227 g).

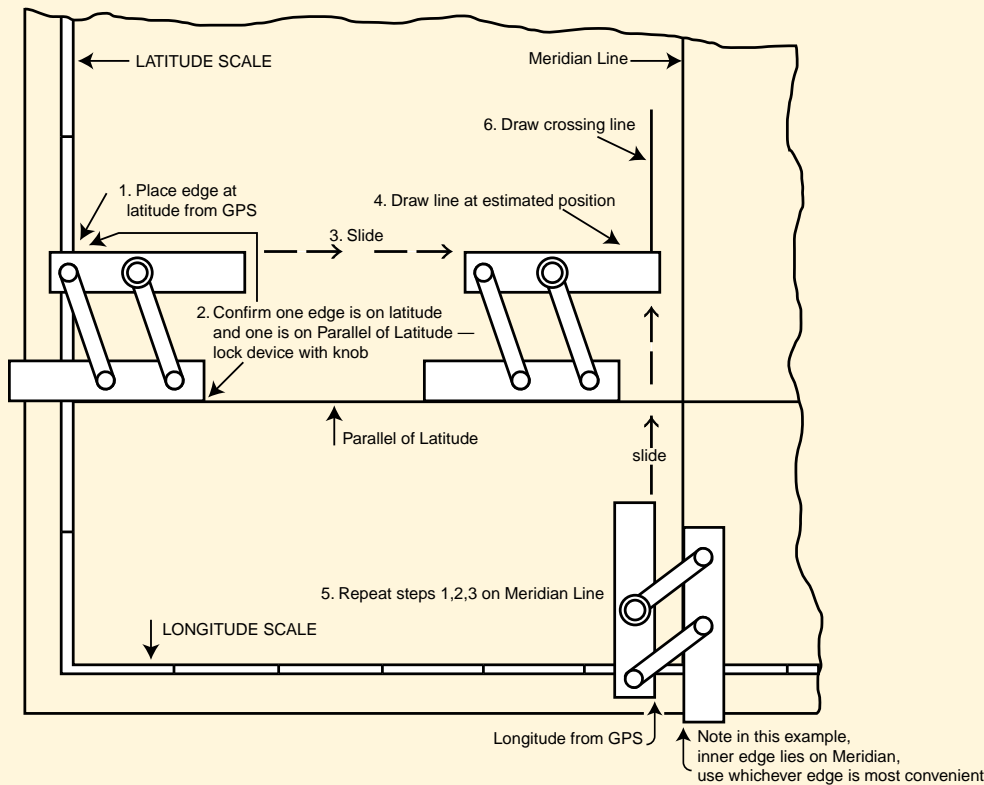




## ParaLock Plotter

90

- New parallel rule in a compact size that is particularly suited for use on modern small chart tables.
- All the features of standard parallel rule but fits in pocket and is easier to use.
- Enables transfer of GPS positions rapidly, easily and accurately to any paper chart.
- Locking knob enables the two rulers to be fixed in any given separation which allows rapid determination of GPS position.
- Two sets of finger holes enable finger tips to act as friction pads on underlying chart.
- Opening width is the same as standard rules.
- Has graduations — can be used as a protractor to determine compass bearing.
- Has millimeter metric scale across bottom, making it easy to take distances and transfer them to mileage chart.
- Perfect for any boater who keeps track of latitude and longitude coordinates on a paper chart.
- Length: 7-1/4" (184 mm).
- Wt: 0.21 lb. (95 g).



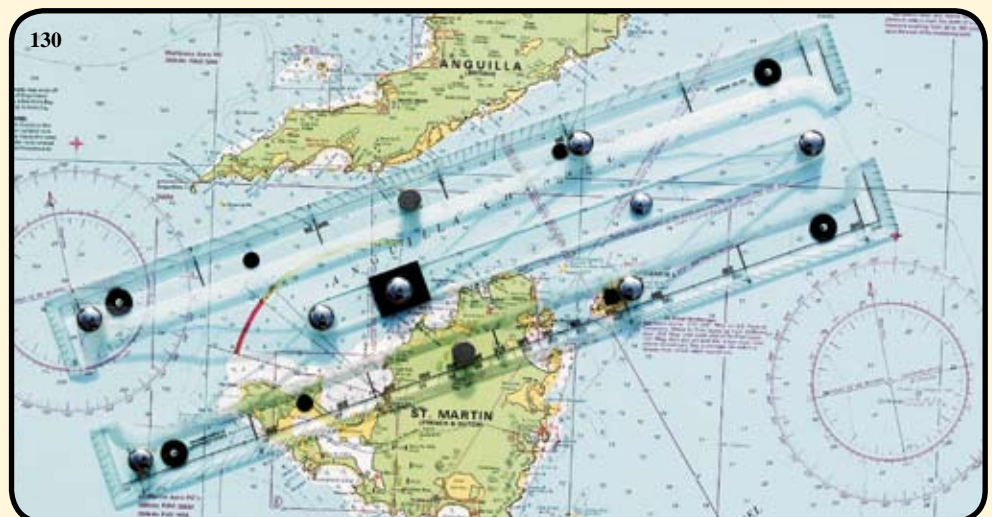
## To find your GPS position on a chart

- Obtain your Lat/Long coordinates, note latitude and longitude on scale at edge of chart, place one edge of ParaLock at latitude and open device until any other edge aligns with nearest Parallel of Latitude (a grid line running East to West across chart).
- Check to be sure original edge is still over first coordinate, turn black knob clockwise to lock tool open at this setting. Confirm two edges are still where you want them.
- Slide edge along Parallel of Latitude until ParaLock is approximately at noted longitude.
- Draw line at estimated position.
- Rotate ParaLock 90° and repeat steps 1-3 using a Meridian Line (grid line running North to South across chart).
- Draw line where edge in use intersects latitude position line drawn in step 4.
- Whole process can be reversed to obtain lat/long waypoints from a given chart position.
- This process can also be done using "Eastings and Northings" in lieu of latitude & longitude.
- To use ParaLock as a typical parallel rule, loosen knob as desired and "walk" rule with your index finger and thumb in finger holes.
- Note unit also has a protractor scale to easily determine courses from a Meridian if desired and a millimeter scale for measuring distance.

## GPS Plotter

130

- Straightforward and effective interface between GPS and paper chart.
- Innovative straight-line action and special pencil guide holes enable latitude and longitude obtained from GPS to be quickly, easily and accurately plotted on paper chart in simple two-step maneuver.
- Features protractor markings — can also serve as conventional-style plotting device and parallel rule.
- One size covers all chart sizes.
- Has innovative slip and grip feature that helps improve accuracy.
- Dims: 4-1/4" x 16" (108 x 406 mm).
- Wt: 0.61 lb. (277 g).



### **The Original bi-rola™ 155**

- Patented vertical and horizontal rolling motion simplifies course and plotting calculations.
- Unique radial arm allows you to automatically include compass corrections in course plotting.
- Patented four-way rolling motion.
- Roller body has protractor markings and nautical mile scale.
- Radial arm has Loran interpolator scales and 200 mm rule.
- Automatic compass corrections.
- When radial arm and body are used jointly, bi-rola™ rule becomes 17" (440 mm) divider (approximately).
- Speed/time/distance table included.
- Easy to follow instructions.
- Protective, durable vinyl pouch.
- Dims: 13-7/8" x 2-5/8" x 1" (352 x 67 x 25 mm).
- Wt: 0.75 lb. (340 g).

### **Course Plotter 133**

- Course plotter with semi-circular protractor scaled from 180° to 360° inside.
- Lower edge scales 1:80,000 and 1:40,000 to accommodate National Ocean Survey charts.
- For north and south courses, small auxiliary protractor scale is printed inside larger one and is used against parallel latitude.
- Upper edge is scaled 1 inch equal to 20 miles to accommodate VP-OS Universal Plotting Sheets.
- Dims: 4-3/8" x 15" (111 x 381 mm).
- Wt: 0.19 lb. (86 g).

### **Weems Protractor 255**

- Can be used to lay off course or bearing, measure distance between any two points, plot position on chart from given set of coordinates, or determine coordinates of position on chart.
- An updated version of Breton and Portland Plotters.
- Pencil and sharpener included.
- Dims: 15" x 5" (381 x 127 mm).
- Wt: 0.40 lb. (181 g).

### **Weems Compact Parallel Plotter™ 060**

- Smaller version of our traditional rolling plotter.
- Plotter is mounted on marine aluminum roller assembly.
- Contains semi-circular protractor, distance scales of 1:20,000 and 1:40,000, as well as inch scale.
- Dims: 2" x 8" (51 x 203 mm).
- Wt: 0.19 lb. (86 g).

### **Weems Parallel Plotter™ 120**

#### ***Our most popular plotter!***

- Plotter mounted on roller.
- Contains distance scales at 1:20,000, 1:40,000 and 1:80,000 to fit N.O.S. Coast and Harbor Charts, as well as inch scale.
- Includes semi-circular protractor for measuring courses and bearings against meridian on chart, and two quarter circle protractors for measuring courses and bearings against parallel of latitude.
- Courses and parallel lines are transferred and kept parallel by means of two rollers mounted on a slide axis.
- Used for measuring or laying off courses and distances on nautical chart.
- Instructions included.
- Dims: 3-1/2" x 12-1/2" (89 x 318 mm).
- Wt: 0.31 lb. (141 g).

### **P.R. 500 Rolling Plotter 220**

- Built to take rigorous use aboard commercial and blue water vessels. Provides one of the easiest methods invented for plotting courses.
- Patented four-way rolling motion.
- Roller body has protractor markings every 1/2°.
- 1-1/4" magnifying lens for enhancing chart data.
- Easy to follow instructions.
- Packaged in protective, durable vinyl pouch.
- Dims: 19-5/8" x 3-5/8" x 1-1/4" (499 x 92 x 32 mm).
- Wt: 1.625 lbs. (737 g).

### **Square Course Plotter 555**

- Used by United States Power Squadrons for years.
- Similar to our square protractor, but slightly larger and incorporates a compass rose in the center to make calculating courses, bearings and variation easier.
- Comes in convenient storage sleeve imprinted with easy to follow instructions.
- Dims: 7-3/4" x 9-7/16" (197 x 240 mm).
- Wt: 0.10 lb. (45 g).

### **Square Protractor 2802**

- Suitable for plotting courses and bearings.
- Notations can be made directly on matte plastic surface with pencil.
- Constructed of durable, transparent plastic.
- Instructions included.
- Dims: 5" square (127 mm).
- Wt: 0.13 lb. (59 g).

### **Protractor Triangle with Handle 101**

- Inscribed with contrast-enhancing colors.
- Using two 45° triangles provides easy method of plotting and performing chart work.
- Protractor scales allow easy alignment with chart meridian, in any direction.
- Direction is maintained as one triangle is slid along the other to desired position.
- Durable, clear vinylite.
- Short sides 7-1/2" (191 mm).
- .08" thick (2 mm).
- Wt: 0.19 lb. (86 g).

### **Protractor Triangle 103**

- Same as above, with all black markings and without handle.

### **Three Arm Protractor 116**

- Heavy duty, crystal clear acrylic construction.
- Arms are rigid enough to trace bearing line.
- Can be used to position and chart from three identifiable shore, landmark or buoy locations. Measure angles on the protractor and locate your position on chart.
- Moveable arms have vernier scale for even more precise measurements.
- Dims: 6" x 21" (152 x 533 mm).
- Wt: 0.31 lb. (141 g).

### **Compute-A-Course™ 111**

- Compact, multi-purpose plotting tool.
- Ideal for general boating or commercial use.
- Can be used for position fixing, course plotting and distance measurements with included scales.
- Using log scale on instructions, time/distance calculations are a breeze.
- Instructions included.
- Dims: 7-3/16" x 8-1/2" (183 x 216 mm).
- Wt: 0.25 lb. (113 g).

#### ***CAP'N PETE'S NAV TIP***

To navigate with confidence, use all available resources. Your depth sounder can provide a very good position reference. Watch your chart for depth contours and check your position against them. If you think you should be in 35 feet of water and your sounder is showing 75, ask yourself what might be wrong. Sounder? GPS? D.R. Plot? It's easy to take approximate bearings from buoys, points of land, or lighthouses. Sight over your steering compass, then check the chart to verify your position.



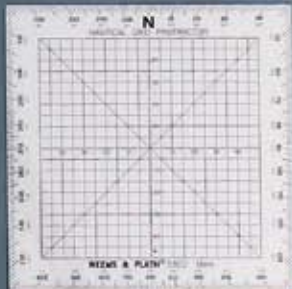
#### ***CAP'N PETE'S NAV TIP***

The **pencil** is your ultimate fallback navigation instrument. Even the best modern navigation electronics aren't foolproof. A good navigator will keep a ded (deduced) reckoning plot, even if only in his or her head, to double check the electronics. If you have kept a plot and periodically made note of your progress on a paper chart, you will have a good starting point in the event your "always faithful" GPS lets you down.





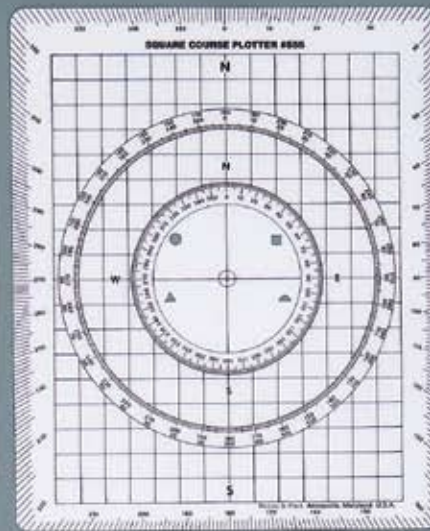
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2802



111



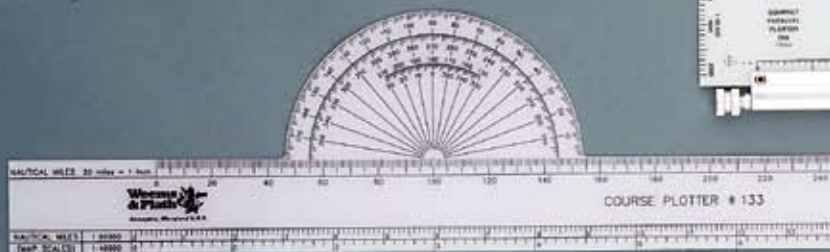
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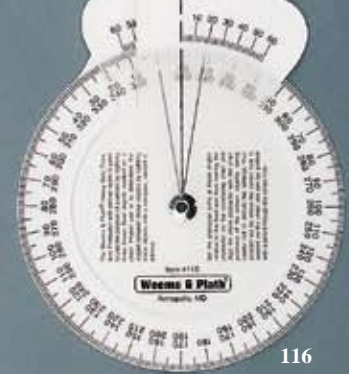
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133



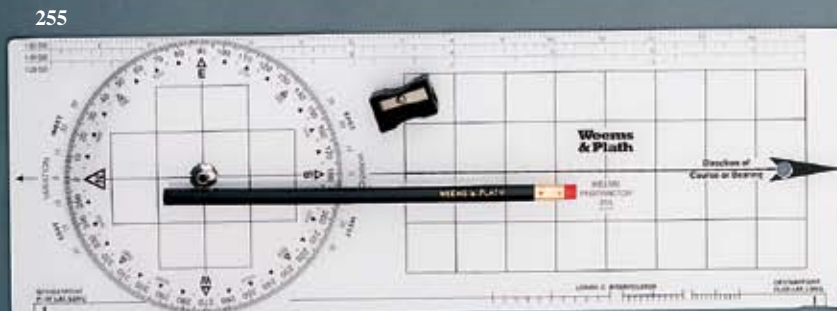
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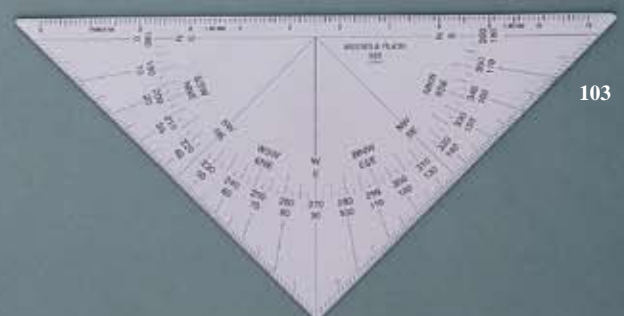
120



101



255



103



24



138

145



141



140



139



136



142



### 24" Commercial Ruler

- Rigid chrome arms and handles.
- 1/4" (7 mm) thickness; 24" (610 mm) length.
- Wt: 0.81 lb. (368 g).

### 15" Brass Arms

- Solid brass arms and handles.
- 1/8" (4 mm) thickness; 15" (381 mm) length.
- Wt: 7 oz. (199 g).

### 15" Brushed Aluminum Arms

- Aluminum arms and handles.
- 1/4" (6 mm) thickness; 15" (381 mm) length.
- Wt: 0.47 lb. (213 g).

24

### 12" Brushed Aluminum Arms

- Aluminum arms and handles.
- 1/4" (6 mm) thickness; 12" (305 mm) length.
- Wt: 0.34 lb. (154 g).

### 12" Brushed Aluminum Arm Ruler Without Graduations

- Aluminum arms and handles.
- 1/4" (6 mm) thickness; 12" (305 mm) length.
- Wt: 0.34 lb. (154 g).

### 18" Aluminum Arms

- Aluminum arms and handles.
- 1/4" (5 mm) thickness; 18" (457 mm) length.
- Wt: 0.69 lb. (313 g).

140

139

138

### 15" Value Parallel Ruler

- Accurate and durable milled acrylic ruler.
- Marine aluminum arms and handles.
- 1/8" (3 mm) thickness; 15" (381 mm) length.
- Wt: 0.31 lb. (141 g).

145

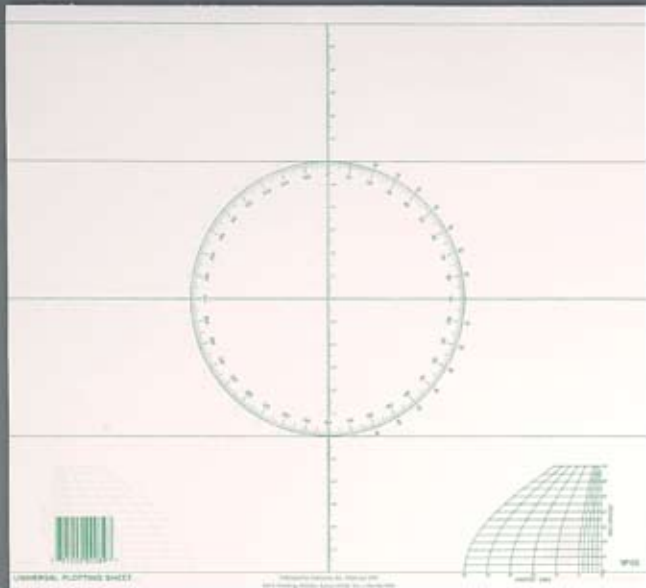
### Triple Parallel Rulers

- 3-rule construction allows greater parallel walk without diagonal creep associated with traditional designs.
- Milled with bevelled edges.
- Aluminum arms and handles.
- 1/4" (5 mm) thickness; 12" (305 mm) length.
- Wt: 0.44 lb. (200 g).

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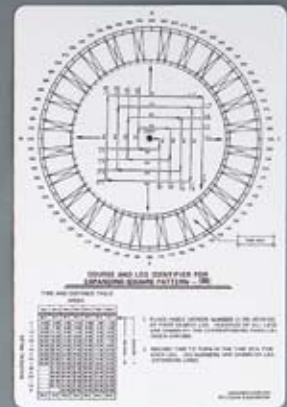
5910



113 front



113 back



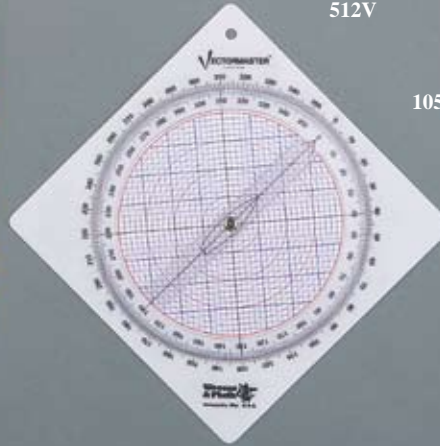
112 front



112 back



512V



501V front



105



501V back

## Vecta-Rose 512V-12 (pack of 12) 512V-6 (pack of 6)

- Pressure sensitive compass rose can be applied directly to charts when printed rose is not in convenient location.
- Can be oriented to either true or magnetic north for handy reference.
- Dims: 4-1/2" (114 mm) square.
- Wt: 0.05 lb. (23 g).

## Tactician's Calculator 112

- Hand-held tool for the racing sailor.
- Provides visual depiction of what is happening on racecourse.
- Helps determine how square starting line or racecourse is, what your heading will be on opposite tack or gybe, how close you are to layline and what point of sail you will be on for next leg of race.
- On reverse side is key to most commonly used racing code flags with picture of flag and explanations of their meaning.
- Includes speed/time/distance table and area to record both wind and racecourse information.
- Comes with #2 pencil and with holes punched in all four corners for easy tethering.
- Dims: 6" x 8 1/4" (152 x 210 mm).
- Wt: 0.19 lb. (86 g).

## Universal Plotting Sheets 5910

- Also known as VP-OS sheets.
- Graduated circle printed at center allows meridians of longitude to be constructed for any latitude, creating custom-made chart for any geographical position.
- 50-page pad.
- Dims: 12-7/8" x 14" (327 x 356 mm).
- Wt: 1 lb. (454 g).

## Vectormaster 501V

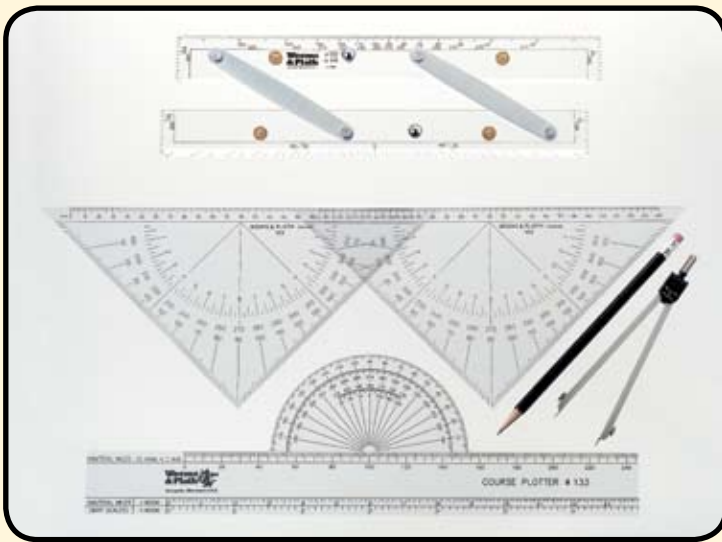
- Circular slide rule provides for solution of time, speed and distance, fuel consumption, conversions, multiplication and division.
- Face of Vectormaster permits rapid solution of problems involving vectors, such as those encountered in current sailing, determination of true wind direction and force and apparent wind to be expected on other headings.
- Given position of a storm and direction and speed of its advance, you may quickly determine course which will put maximum distance between your vessel and oncoming storm.
- Instruction booklet included.
- Dims: 7" (178 mm) square.
- Wt: 0.25 lb. (114 g).

## Nautical Slide Rule 105

- Immediate solution to all speed-time-distance problems.
- Equally applicable for nautical or statute miles.
- Speed in knots or m.p.h., time in hours, minutes or seconds and distance in nautical or statute miles (or yards if desired, and if speed is in knots).
- Easy to read and accurate.
- Standard in U.S. Navy.
- Dims: 7-3/8" (187 mm) square.
- Wt: 0.10 lb. (46 g).

## Course & Leg Identifier 113

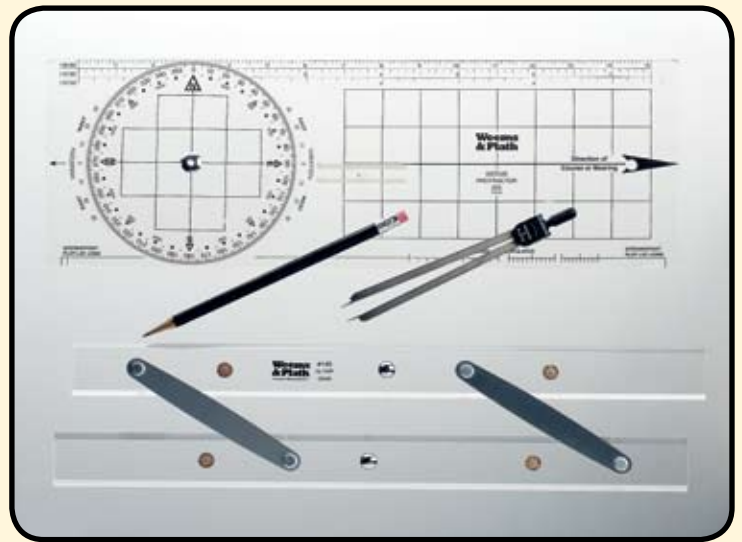
- For expanding square pattern & sector pattern searches.
- Also known as Search Pattern Slide Rule or Coast Guard Plotter, this tool is a "must have" for active duty Coast Guard, Auxiliaries, or anyone else who might have to run a search pattern.
- Quickly calculates heading and run time for each leg of either an expanding square pattern or sector pattern search, giving you more time to focus on search.
- Dims: 6" x 9" (152 x 229 mm).
- Wt: 0.19 lb. (86 g).



### Weems & Plath® Navpak™

320

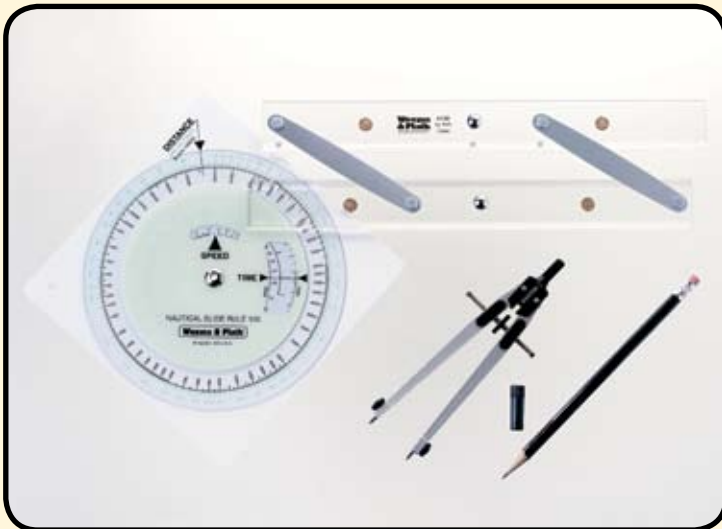
- Includes: two #103-45° Protractor Triangles, one #140-12" Parallel Ruler, one #133 Course Plotter, one pair of #260-6" Matte Nickel Dividers with replaceable points, one #2 pencil and instructions.
- Reusable plastic pouch.
- Dims: 7-1/4" x 16-5/8" (184 x 422 mm).
- Wt: 0.81 lb. (368 g).



### Weems & Plath® Basic Navigation Set

317

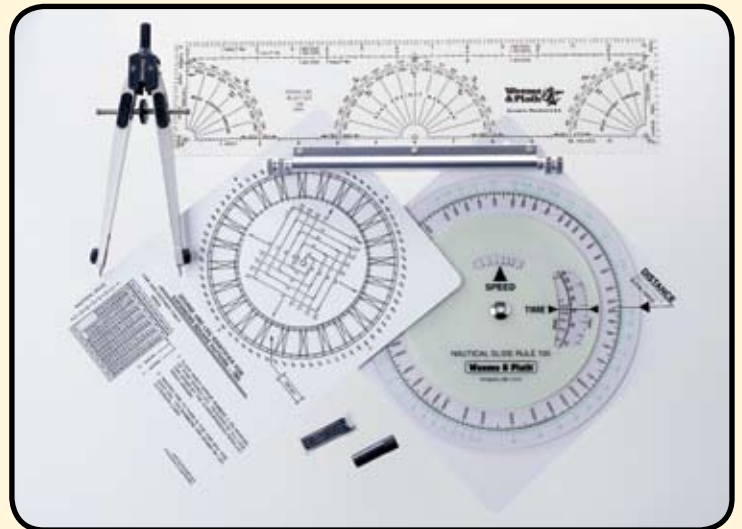
- Includes: one #255 Weems Protractor, one #145-15" Parallel Ruler, one pair of #262 6" Matte Nickel Dividers with fixed points, one #2 pencil, one pencil sharpener and instructions.
- Reusable plastic pouch.
- Dims: 16" x 6" (406 x 152 mm).
- Wt: 1.06 lb. (481 g).



### Weems & Plath® Primary Navigation Set

32200

- Includes: one #176 Ultralight Divider/Compass, one #139-12" Parallel Ruler, one #105 Nautical Slide Rule, one #1141 Navigator's Pencil and instructions.
- Reusable plastic pouch.
- Dims: 8" x 13-3/4" (203 x 337 mm).
- Wt: 0.85 lb. (386 g).



### Coast Guard Kit

100

- Five most popular items that the U.S. Coast Guard buys in one convenient kit.
- Includes: one #176 Ultralight Divider/Compass, one #7291 Spare Leads for Ultralight Divider/Compass, one #120 Weems Parallel Plotter, one #105 Nautical Slide Rule, one #113 Course & Leg Identifier and instructions.
- Reusable plastic pouch.
- Dims: 8-1/4" x 14" (210 x 356 mm).
- Wt: 0.85 lb. (386 g).

### Elegant Navigation Set

319

- Includes: one #171-8" brass One-Hand Divider, one #142-15" Brass Arm Parallel Ruler, and a 1-3/4" liquid filled brass compass.
- Varnished mahogany-finish wooden box with polished brass hardware.
- Brass plate suitable for engraving is available for exterior (not included).
- Dims: 15-3/4" x 3-3/4" x 7/8" (400 x 95 x 22 mm).
- Wt: 1.44 lbs. (653 g).





## ChartKit Plotter

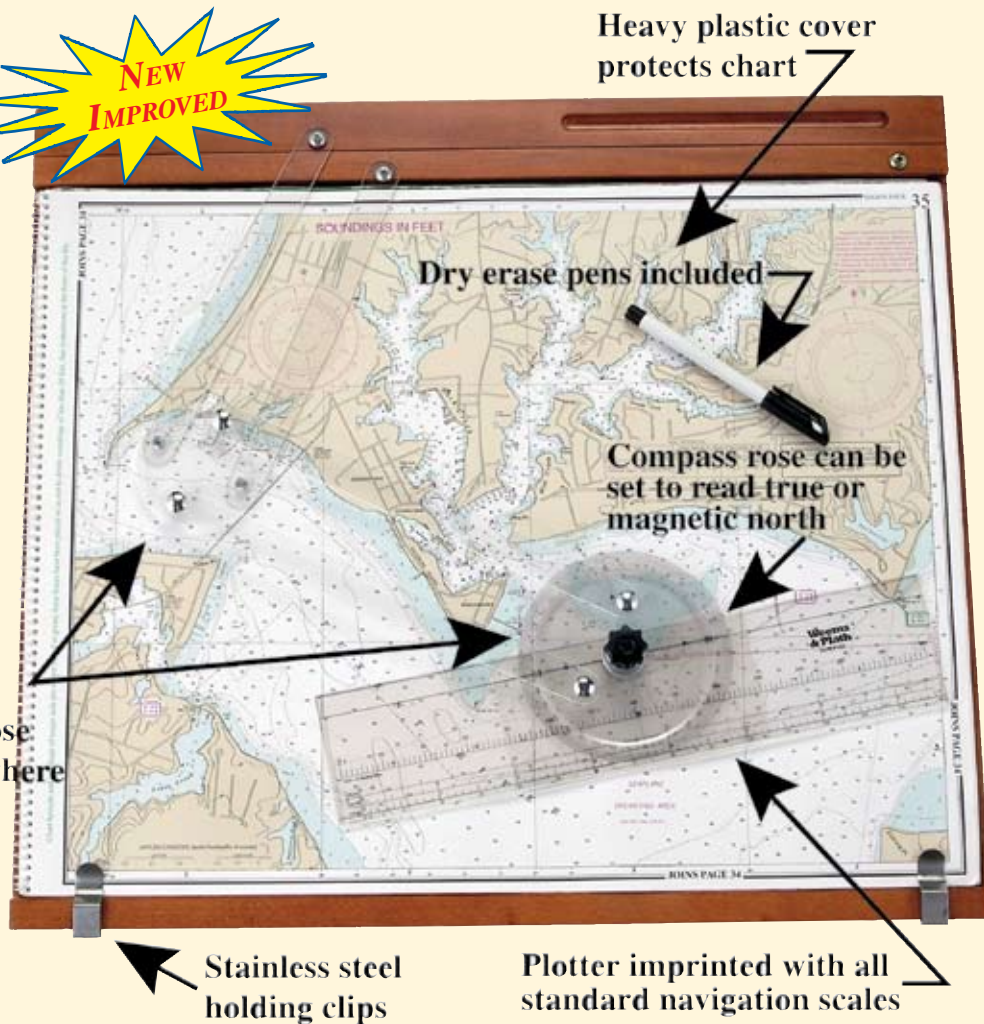
122

- New larger size fits Admiralty Leisure, Imray chart books and Maptech ChartKits.
- Improved construction for greater durability.
- Portable navigation system for paper charts.
- Quickly and accurately determine navigation calculations.
- Acrylic cover protects charts.
- Adjustable parallel arm fitted with moveable compass rose, which permits direct plotting of magnetic compass courses and firmly supports chart work whether in cockpit, on deck, or below.
- Plot course to given point by locking rule at given bearing.
- By moving rule so that point is on an edge, you can quickly determine correct line of position on chart for bearing by moving rule so that point is on an edge.
- Vinyl carrying and storage case included.
- Plotting arm #129 available separately.
- Dims: 22-5/8" x 20-3/16" (575 x 513 mm).
- Wt: 1.625 lbs. (737 g).

### Accessories:

- 123 Pen Set
- 129 ChartKit Plotter Arm

Articulating arm allows compass rose to be moved anywhere on chart



## NaviTote

325

- Made from Tough Duck, a PVC backed polyester duck fabric, for added strength and durability.
- Incorporates gusseted reinforced pockets and strong hanging grommets.
- Designed with input from United States military and built to meet demands of everyday use on patrol vessels.
- Roll it, fold it or hang it, the NaviTote will keep your Weems & Plath® navigation tools in good order.
- Dims: 22-1/2" x 14-1/4" (572 x 362 mm).
- Wt: 1.45 lb. (658 g).





# WEEMScrules

**NEW**



**ROADrule USATONS**  
Navigation Aids, Rules of the Road and Maneuvering Signals for U.S. Inland Waterways

#290

**LIGHTrule COLREGS**  
Lights, Shapes and Maneuvering Signals for International Waters and U.S. Inland Waterways

#190  
#190ES

**LIGHTrule CEVNI**  
Lights, Shapes and Maneuvering Signals for European Inland Waterways

#191

**ROADrule CEVNI**  
Navigation Aids, Rules of the Road and Maneuvering Signals for European Inland Waterways

#291

**ROADrule IALA**  
Navigation Aids, Rules of the Road and Light Characteristics for International Waters

#292  
#292ES

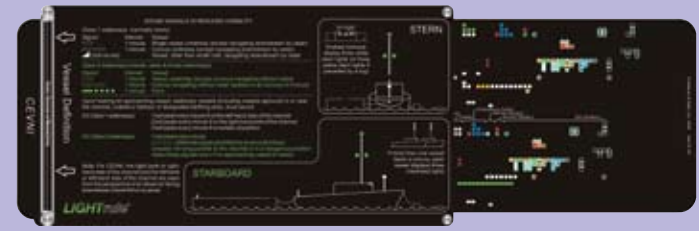
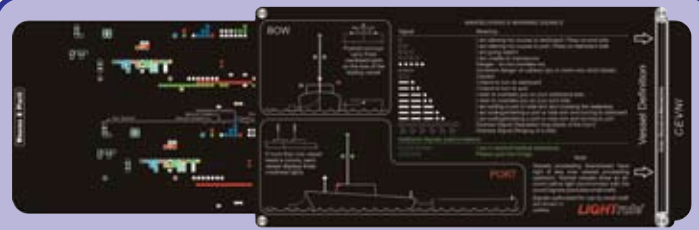
## LIGHTrule™



### LIGHTrule Colregs Spanish Language Version

**190  
190ES**

- Identifies all USCG Colregs.
- Displays 60 light configurations.
- Displays 15 day shapes.
- Actual view of vessels for port, starboard, bow and stern lights.
- Visual guide for horn signals.
- Magnifying lens for clear readability of definitions.
- Durable plastic construction.
- Size: 16" x 5-1/4" (407 x 133 mm).
- Wt: 0.4 lb. (182 g).



### LIGHTrule CEVNI

**191**

- Identifies lights and shapes as prescribed by European code for Inland Waterways.
- Displays over 50 light configurations.
- Displays 18 maneuvering and warning signals.
- Actual view of vessels for port, starboard, bow and stern lights.
- Visual guide for horn signals.
- Magnifying lens for clear readability of definitions.
- Durable plastic construction.
- Size: 16" x 5-1/4" (407 x 133 mm).
- Wt: 0.4 lb. (182 g).



**WEEMS**rules are quick reference tools that identify either actual views of maritime bouyage systems with corresponding chart symbols or vessel light configurations at night. **WEEMS**rules come in five unique versions which cover all the vessel lights and rules of the road in the world. To determine which **WEEMS**rules to use, refer to the world map key on the opposite page.



**ROADrule®**



### ROADruleUSATONS

290

- Identifies the most common U.S. Aids to Navigation.
- Displays 38 Navigation Aid Definitions.
- Displays 12 Rules of the Road.
- Identifies bridge lighting and Intracoastal Waterway aids.
- Magnifying lens for clear readability of definitions.
- Durable plastic construction.
- Size: 16" x 5-1/4" (407 x 133 mm).
- Wt: 0.4 lb. (182 g).

### ROADrule CEVNI

291

- Identifies navigation aids and markers as prescribed by the European Code for Inland Waterways.
- Displays 38 Navigation Aid Definitions.
- Displays 12 Rules of the Road.
- Magnifying lens for clear readability of definitions.
- Durable plastic construction.
- Size: 16" x 5-1/4" (407 x 133 mm).
- Wt: 0.4 lb. (182 g).



### ROADrule IALA

292

#### Spanish Language Version

292ES

- Identifies International Association of Lighthouse Authorities Maritime Buoyage System for Regions A & B including all types of fixed and floating marks.
- Displays 20 light characteristics.
- Displays maneuvering & warning signals.
- Displays 12 Rules of the Road.
- Displays 40 Navigation Aid Definitions.
- Magnifying lens for clear readability of definitions.
- Durable plastic construction.
- Size: 16" x 5-1/4" (407 x 133 mm).
- Wt: 0.4 lb. (182 g).

### Beam Compass

545

- High quality aluminum alloy.
- Precision crafted with 20" (508 mm) overall radius: 13" (330 mm) main beam with 7" (178 mm) extension bar.
- Provided with point, stylus, spare leads and velvet lined, impact resistant case.
- Made in Germany.
- Length: 14-1/4" (362 mm).
- Wt: 1 lb. (454 g).

#### Accessory:

- 545330 Optional 13" Extension Bar



### Light Pen

1121

- Green LED built into tip.
- High quality medium ball point.
- Twist top to activate light.
- Use cap's clip to attach to chart as a small light.
- Runs for hours using 2 LR44 1.5 volt batteries located in top.
- Length: 5-1/2" (140 mm).
- Wt: 0.44 lb. (200 g).

#### Accessory:

- 1122 Refill for Light Pen



### Navigator's Pencil Set

1141

- 0.7 mm lead (HB or No. 2 hardness) is a special blend of polymers that provides extra blackness and smoothness when writing or drawing.
- Super fine eraser won't mar charts when making corrections.
- Eraser adjusts out as it wears down, similar to the way lead adjusts on writing tip.
- Set includes pencil, one 12-pack of leads and 2 spare erasers.
- Length: 5-1/2" (140 mm).
- Wt: 0.05 lb. (23 g).

#### Accessories:

- 1142 Lead Refills (12-pack)
- 1143 Eraser Refills (4-pack)



### Sharpening Pad

92323

- Handy addition to any navigation kit for keeping proper point on pencils and compass leads.
- Dims: 6-3/4" x 1-1/8" (172 x 29 mm).
- Wt: 0.05 lb. (23 g).



### Weems & Plath® Pencil

1280-6

- Six #2 pencils, black with gold Weems & Plath logo and eraser.
- Includes pencil sharpener.
- Wt: 0.08 lb. (37 g).



### Rite in the Rain® All-Weather Pen

8512

- Works in temperatures from -30°F to 250°F.
- Writes on wet paper and upside down.
- Length: 5-1/2" (140 mm).
- Wt: 0.05 lb. (23 g).

#### Accessory:

- 8513 Rite in the Rain® All-Weather Pen Refill

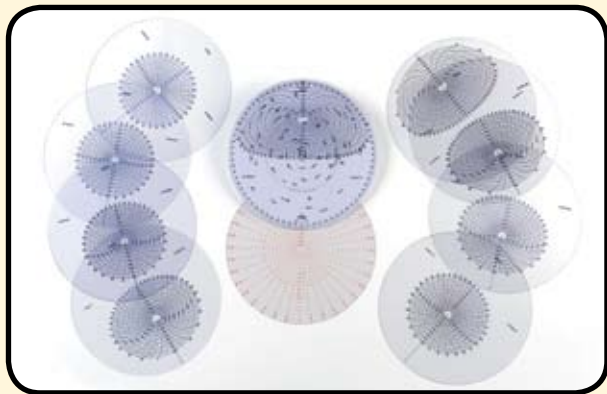






### Tamaya Navigation Computer NC-2100E

- High resolution touch screen.
- PDA format.
- Six built-in programs with simple prompts.
- Features: course, distance, dead reckoning, great circle, ETA, current, LOP and meridian passage computations.
- HMS and HHH conversions.
- Nautical Almanac.
- Twilight azimuth and altitude computations for celestial bodies.
- Receives latitude and longitude data from GPS receiver.
- Fully functioning HP PDA with Microsoft Outlook, Active Sync and Media Player.
- Dims: 2-3/4" x 4-1/2" x 1/2" (70 x 108 x 127 mm).
- Wt: .38 lbs. (172 g).



### Star Finder 2102-D

150

- Graphically portrays altitude and azimuth of fifty-seven numbered stars in Air and Nautical Almanacs.
- Additional celestial bodies may be plotted on star base.
- Special diagrams permit rapid check of hour angle and also provide means of finding altitude and azimuth of uncharted bodies, or identification of uncharted bodies from known altitude and azimuth.
- Diameter: 8-1/2" (216 mm).
- Wt: 1 lb. (454 g).



### Tamaya Spica Sextant MS 733

- Proven quality through many years of use by ocean-going navigators.
- Optical system designed to ensure maximum performance with full 57mm index mirror.
- Interchangeable telescope available in 4x40mm or 7x35mm (optional).
- Rubber eye protector.
- Full illumination of both arc and drum.
- Carrying Case: molded plastic with two slide locks.
- Can be stored in fitted case with either scope mounted.

#### Specifications:

- Measuring Range: -5° to 125°.
- Accuracy: +/- 10 seconds.
- Telescopes: 4x40mm: angle of view 7°, relative brightness 100. 7x35mm: angle of view 6.5°, relative brightness 25. All optics are fully coated.
- Frame: Lightweight die cast aluminum alloy with corrosion resistant black finish. Bronze arc.
- Vernier Scale: reads to 0.2'.
- Index Mirror: 57x42mm. Aluminized on rear side.
- Horizon Mirror: 57mm diameter.
- Shades:
  - 1) 4 for index mirror.
  - 2) 3 for horizon mirror.
- 3) One special shade glass and one Polaroid glass for eyepiece of telescope.
- Wt: 4 lbs. (1815 g).



### Tamaya Jupiter Sextant MS 833

- Tamaya's full sized "best value" sextant.
- Shares many features of more expensive sextants.
- Mirrors are large; a 57x42mm index and a 57mm diameter horizon.
- Inclined handle provides natural and comfortable grip.
- Full illumination of both arc and drum.
- Carrying Case: molded plastic with two slide locks.
- Interchangeable telescope available in 4x40mm or 7x35mm (optional).

#### Specifications:

- Measuring Range: -5° to 125°.
- Accuracy: +/- 12 seconds.
- Telescopes: 4x40mm: angle of view 7°, relative brightness 100. 7x35mm: angle of view 6.5°, relative brightness 25. All optics are fully coated.
- Frame: Lightweight die cast aluminum alloy with corrosion resistant black finish. Bronze arc.
- Vernier Scale: reads to 0.2'.
- Index Mirror: 57x42mm. Aluminized on rear side.
- Horizon Mirror: 57mm diameter.
- Shades:
  - 1) 4 for index mirror.
  - 2) 3 for horizon mirror.
- Carrying Case: Molded plastic with two slide locks.
- Wt: 3.75 lbs. (1701 g).

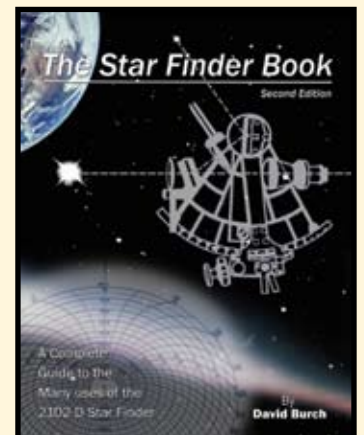
#### Scopes for Tamaya Sextants:

- 330 4x40 Scope
- 331 7x35 Monocular
- 70 005 3.5x40 Scope, also fits C. Plath sextants

### The Star Finder Book 152

by David Burch

- Complete guide to the many uses of 2102-D Star Finder.
- Also aids navigator with star and planet identification and height and bearing predictions.
- Dims: 8-1/2" x 11" (216 x 280 mm).
- Wt: 0.63 lb. (286 g).





### LightWedge

**NV100**

- Elegant, simple design. Thin and lightweight, easy to handle and pack.
- Night vision-friendly red LED illumination. No bulbs to burn out.
- 40 hours of light on four AAA batteries (included).
- Distortion-free, optical-grade acrylic lens reflects red LED edge light onto page or chart, not into eyes.
- One-touch operation. Illuminates charts, maps and books with ease.
- Two brightness levels.
- Dims: 9-1/4" x 6-3/4" x 1/2" (235 x 172 x 13 mm).
- Wt: 0.53 lb. (241 g) with batteries.



### Chart Light

**31200**

- Concentrates light exactly where needed.
- Red slide-on lens for night vision (included).
- High intensity tungsten halogen bulb—5 times brighter than conventional filament bulb.
- Convenient dimming control built into base.
- Permanent or "Quick Disconnect" mounting methods.
- 12" flexible gooseneck for versatility.
- 12 Volt DC operation.
- .38 amp consumption maximum.
- Dims: 3" x 1-1/16" (76 x 27 mm).
- Wt: 1 lb. (454 g).

#### Accessories:

- 31211 Additional Snap Mounts
- 31215 Replacement Halogen Bulb
- 31216 Replacement Red Lens
- 31217 Optional AC Power Transformer



### Commercial Grade Chartlite

**S1400-12 (12 Volt)**

**S1400-24 (24 Volt)**

- Most durable and versatile chart utility light available.
- Dimmer control.
- Focus control - "flood" to "spot".
- Momentary switch for maximum brightness.
- Red or white light lever control.
- Fully adjustable in both vertical and horizontal planes.
- Unsnaps from base for handheld use.
- 5' retractable coiled cord.
- Can be mounted vertically, horizontally or inverted.
- Lightweight, corrosion resistant die-cast aluminum alloy.
- 12v draws .33A; 24v draws .17A.
- Dims: 1-3/4" Diameter x 3-1/2" (45 x 89 mm).
- Wt: 0.85 lb. (386 g).

#### Accessories:

- S1400-7 Additional base for S1400 models
- 1816 Replacement Bulb for 12 volt Chartlite
- 313 Replacement Bulb for 24 volt Chartlite





### Classic Barograph

- Housed in a mahogany case with glass sides and a polished brass handle for easy access.
- Quartz movement requires no winding and is more accurate than key-wound movements.
- Barograph readings are marked with a felt tip pen that lasts 6 to 9 months.
- Furnished with a one-year supply of weekly charts and one felt tip pen.
- AA battery included.
- Case dims: 7-3/4" x 5" x 5-1/4" (197 x 127 x 133 mm).
- Chart size: 3-5/8" (92 mm); Chart range: 28.5 to 31"; Chart duration: 7 days.
- Wt. 3 lbs. (1361 g).

#### Accessories:

- 120CH Replacement Millibar Charts (2-1/16" x 9-1/4" [52 x 235 mm])**  
**121 Replacement Inch Charts (2-1/16" x 9-1/4" [52 x 235 mm])**  
**451 Replacement Felt Tip Pen Cartridge**

**410-C**

### Dampened Deluxe Quartz Barograph

**410-D**

- Eight diaphragm bellows provide maximum sensitivity and precision.
- Hinged mahogany case with glass sides provides easy access to chart drum.
- Quartz movement requires no winding and is more accurate than key-wound movements.
- Barograph readings are marked with a felt tip pen which lasts 6 to 9 months.
- Furnished with a one-year supply of weekly charts, one felt tip pen and dampening fluid.
- AA battery included.
- German made.
- Case dims: 11" x 6-3/4" x 6-1/2" (279x171x165mm).
- Chart size: 3-5/8" (92 mm); Chart range: 28.5 to 31"; Chart duration: 7 days.
- Wt. 7 lbs. (3175 g).

#### Accessories:

- 108 Replacement Inch Charts (3-1/16" x 12" [78 x 305 mm])**  
**107 Replacement Millibar Charts (3-1/16" x 12" [78 x 305 mm])**  
**451 Replacement Felt Tip Pen Cartridge**

### Stormglass Weather Forecaster

**ES 55 01 01 (brass)**

**ES 55 01 04 (polished stainless)**

**ES 55 01 05 (matte stainless)**

- This mysterious weather predictor has been used since 1750. Admiral Fitzroy, the famous sailor and meteorologist, used the Stormglass aboard the HMS Beagle during his historic voyage with Darwin. After 250 years, how the Stormglass works is still a mystery, but it is believed that it has to do with the electromagnetic changes caused by weather and sun storms. The appearance of the crystals inside the glass indicates changes in the weather.
- Sealed glass chamber holds the crystals and is encapsulated in a beautifully crafted brass cylinder.
- Displayed freestanding or mounted to a boat bulkhead or wall using an optional mounting bracket.
- Available in three finishes; polished brass, polished stainless and matte stainless.
- Diameter: 1-5/8" (41 mm). Height: 5-3/4" (146 mm).
- Wt: 1 lb. (454 g).

#### Accessories:

- ES 55 02 01 Brass Hook**  
**ES 55 02 04 Polished Stainless Hook**  
**ES 55 02 05 Matte Stainless Hook**  
**Stormglass Plate Brass plate engraved with the Stormglass details (6" (152 mm) square)**  
**Stormglass Display Brass plate and hook mounted on wood plaque (shown) (Stormglass not included) (10" x 8" x 2-1/2" [254 x 203 x 64 mm])**



### Galileo Glass

**ES 55 06 01 (lacquered brass)**

**ES 55 06 04 (polished stainless)**

**ES 55 06 05 (matte stainless)**

- Liquid volume expansion thermometer.
- Sealed glass chamber holds 4 glass balls and is encapsulated in brass cylinder.
- Available in three finishes; polished brass, polished stainless and matte stainless.
- Optional mounting hook.
- Diameter: 1-5/8" (41 mm). Height: 5-3/4" (146 mm).
- Wt: 1 lb. (454 g).

#### Accessories:

- ES 55 02 01 Brass Hook**  
**ES 55 02 04 Polished Stainless Hook**  
**ES 55 02 05 Matte Stainless Hook**

# WATERPROOF BINOCULARS



## 7x50 Navy One Binocular BN1A2

### Specifications:

- Fits optional Sentinel Binocular Case (see opposite page).
- Checkered design provides slip-proof grip.
- Black rubber armored.
- Hermetically sealed and nitrogen purged for true waterproof and fog proof performance.
- Exclusive SPARC (Stimulated Penetration Anti-Reflection Coatings) optics eliminate internal glare and ghost images resulting in nearly 95% light transmission at night or in low light.
- Lightweight aluminum body passed military specification drop/shock test from 6 feet and withstands a vibration test equal to 20 gravities of force.
- Five year factory warranty against defects, fogging or leakage.
- Magnification: 7x.
- Objective lens: 50mm.
- Exit pupil: 7.1mm.
- Eye Relief: 15mm.
- Prism type: BAK-4 Porro prism.
- Field of view: 7.4°, 389 ft. at 1,000 yards.
- Light efficiency: 95%.
- Waterproof and nitrogen gas filled.
- Focusing System: Individual eyepiece focusing.
- Dims: 8" x 7-3/4" x 3-3/8" (203 x 197 x 86 mm).
- Wt: 2.41 lbs. (1,093 g).

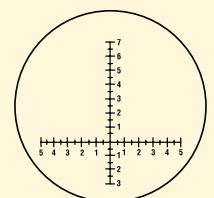


## 7x28 Apache Binoculars BN29

### Specifications:

- Built to same tough standards as U.S. Army M24 binoculars.
- Optional reticle (left view side) allows for easy range or distance estimation.
- Hermetically sealed and nitrogen purged for true waterproof and fog proof performance.
- Exclusive SPARC (Stimulated Penetration Anti-Reflection Coatings) optics eliminate internal glare and ghost images resulting in nearly 95% light transmission at night or in low light.
- Anti-corrosive, lightweight aluminum body will pass military specification drop/shock test from 6 feet and withstand a vibration test equal to 20 gravities of force.
- Five year factory warranty against defects, fogging or leakage.
- Magnification: 7x.
- Objective lens: 28mm.
- Exit pupil: 4mm.
- Eye Relief: 15mm.
- Prism type: BAK-7 14.6mm roof prism.
- Field of view: 7°, 367 ft. at 1,000 yards.
- Light efficiency: 90%.
- Waterproof and nitrogen gas filled.
- Rangefinding reticle in left lens.
- Focusing System: Individual eyepiece focusing.
- Dims: 5-3/4" 5-1/4" x 2" (146 x 133 x 51 mm).
- Weight: 0.90 lbs. (408 g).

*Reticle scale as seen through left lens on BN29*





## 7x50 Center Focus Binoculars 637

### Specifications:

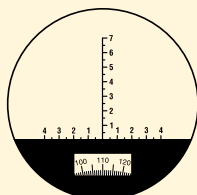
- Fits optional Sentinel Binocular Case (see below).
- Center focus mechanism allows for quick, easy adjustment to different focal ranges.
- Includes deluxe neck strap, objective & ocular lens covers and padded nylon carrying case.
- 5 year warranty.
- Magnification: 7x.
- Objective lens: 50mm.
- Exit pupil: 7.1mm.
- Eye Relief: 27.4.
- Prism type: BAK-4 Porro Prism.
- Field of view: 350 ft. at 1,000 yards.
- Light efficiency: 80%.
- Waterproof/Fogproof.
- Dims: 7-1/2" x 8-1/4" x 2-3/4" (191 x 210 x 70 mm).
- Wt: 2.125 lbs. (964 g).



## 7x50 IF Binoculars w/Compass 647C

### Specifications:

- Fits optional Sentinel Binocular Case (see above).
- Includes batteries for compass light, deluxe neck strap, objective & ocular lens covers and padded nylon carrying case.
- 5 year warranty.
- Illuminated compass.
- Magnification: 7x.
- Objective lens: 50mm.
- Exit pupil: 7.1mm.
- Eye Relief: 27.4.
- Prism type: BAK-4 Porro Prism.
- Field of view: 350 ft. at 1,000 yards.
- Light efficiency: 85%.
- Waterproof/Fogproof.
- 1° increment compass.
- Ranging reticle in left lens.
- Focusing system: Individual eyepiece focusing.
- Dims: 8" x 8-1/2" x 2-3/4" (203 x 216 x 70 mm).
- Weight: 2.56 lbs. (1,161 g).



Reticle scale as seen  
through left lens on  
647C

# WATERPROOF BINOCULARS



## Sentinel Binocular Case

657

- Rugged aluminum binocular storage case.
- Housed in black gift box.
- Foam cut-out for binoculars.
- Soft yellow carrying case also included.
- Fits all models of Weems & Plath 7x50 binoculars including Navy One.
- Dims: 11-1/2" x 9-3/4" x 4" (292 x 248 x 102 mm).
- Wt: 2.45 lbs. (1,111 g).



# C. PLATH MERKUR<sup>®</sup> COMPASS

## Specifications:

- Full spherical construction with internal gimbal system.
- Accuracy of indication: less than or equal to 1°.
- Lag error: less than or equal to 2°.
- Oscillation period: greater than or equal to 4.7 sec.
- The above values exceed the ISO norm (International Organization of Standards).
- Temperature range: -22°F to 158°F.
- Vibration resistance exceeds requirements of BSH (German Hydrographic Institute).
- Seawater resistant, light alloy housing.
- Red dazzle-free illumination.
- Concave card with clear 5° graduation.
- Super-strong glass dome is insensitive to ultraviolet rays and is guaranteed for life against cracking, crazing and yellowing under normal use.
- Oscillation-free double bottom compensates volumetric changes.
- Full internal gimbal system accommodates all angles of heel without compromising accuracy (all models except VZE).
- Apparent card diameter: 4-3/4" (120mm).
- Three year warranty on body.
- Wt: 4.5 lbs. (2,041 g).



## Merkur<sup>®</sup> SE

- For horizontal flush surface mounting.
- 3 lubber lines.
- Compensation capsule available.
- USCG Approved #160.014/9.
- Used on most lifeboats.

73 318 Merkur<sup>®</sup> SE, Black

## Merkur<sup>®</sup> SR

- For horizontal flush mounting or bracket mounting.

73 319 Merkur<sup>®</sup> SR, Black

73 115 Mounting Bracket

## Merkur<sup>®</sup> SR High Speed

- High speed/highly dampened.
- For horizontal flush mounting.
- 3 lubber lines.
- Compensation capsule available.
- Optional glare guard.
- USCG Approved #160.014/11.
- Suitable for high-speed craft.

73 157 Merkur<sup>®</sup> SR HD High Speed, Power, Black Card and Bezel

74 472 Merkur<sup>®</sup> SR High Speed, White Card and Bezel



## Merkur<sup>®</sup> VZE

- High speed/highly dampened design.
- For flush bulkhead mounting.
- Can be mounted with a 5° variance.
- 6 lubber lines for easy reading at any angle.
- Duplex card: easily read as a direct or dished card.
- Optional back cover for neat installations.
- Compensation capsule available.

73 430 Merkur<sup>®</sup> VZE Compass, Black Card and Bezel

74 471 Merkur<sup>®</sup> VZE Compass, White Card and Bezel (available by special order)

73 370 Bulkhead Back Cover - Black

73 371 Bulkhead Back Cover - White

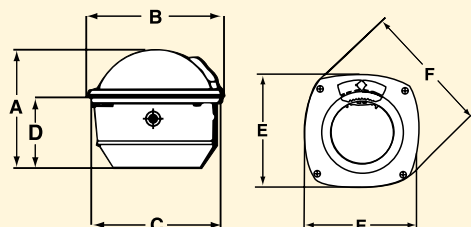
## Options for All Models:

73 137 Merkur<sup>®</sup> Compensation Capsule

## Merkur<sup>®</sup> SE & VZE Dimensions:

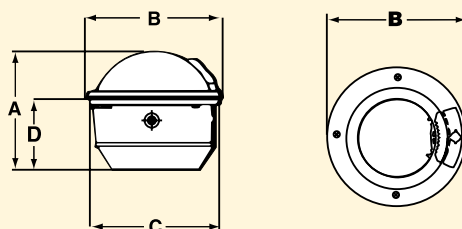
A	B	C
5"	5-3/4"	5-1/2"
126mm	145mm	139mm

D	E	F
2-4/5"	5-3/4"	6-3/5"
72mm	145mm	168mm



## Merkur<sup>®</sup> SR Dimensions:

A	B	C	D
5"	6-1/4"	5-1/2"	2-7/8"
126mm	159mm	139mm	72mm





# C. PLATH VENUS® COMPASS

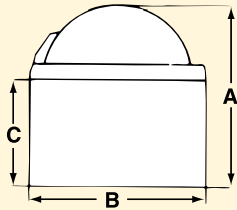
## Specifications:

- Full spherical construction with internal gimbal system.
- Balanced for use in northern and southern hemispheres.
- Accuracy of indication: less than or equal to 1°.
- Lag error: less than or equal to 2°.
- Oscillation period: greater than or equal to 4.7 sec.
- **These values exceed the ISO norm (International Organization of Standards).**
- Temperature range: -22°F to 158°F. Corresponds with the ISO norm for commercial shipping.
- Vibration resistance exceeds requirements of BSH (German Hydrographic Institute).
- Seawater resistant, light alloy housing.

- Dished card with 1° graduation.
- Red dazzle-free illumination for 12 volt (24 volt by special request).
- Super-strong glass dome is insensitive to ultraviolet rays and is guaranteed for life against cracking, crazing and yellowing under normal use.
- Oscillation-free double bottom compensates volume changes in compass fluid.
- Accuracy at all angles of heel insured by full internal gimbal system.
- Apparent card diameter: 5-3/4" (150mm).
- Cutout diameter: 6" (152mm).
- Three year warranty on body.
- Wt: Compass: 6.75 lbs. (3,062 g).
- Wt: Cylinder: 4.06 lbs. (1,842 g).

## Dimensions:

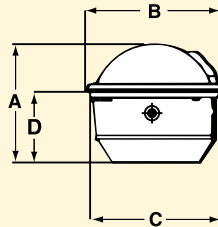
A	B	C
8-3/8"	7-7/8"	4-3/4"
213mm	200mm	120mm



## Dimensions:

A	B	C	D
7-1/4"	7-1/8"	6"	3-5/8"
183mm	181mm	152mm	93mm*

\* with compensation capsule add 5/8" (15mm)



## Venus® Compasses

73 322 Venus® Compass, 1° card

73 245 Venus® Compass, 5° card

## Accessories:

- 73 467 Venus Compensation Capsule
- 73 464 White Cylinder Mount (accommodates 5" Edson and Yacht Specialties steering columns and consoles)
- 73 460 Black Cylinder Mount (accommodates 5" Edson and Yacht Specialties steering columns and consoles)
- 73 310 White Detachable Hood
- 73 260 Black Detachable Hood
- 73 311 White Hood with Visor
- 73 253 Black Hood with Visor



## Weems & Plath® Hand Bearing Compass

2004

- To take bearing of a point, compass is held near eye and read down line of sight. Stable bearing appears in prism in perfect focus day or night.
- For quick reference, a heading can be determined by looking straight down at compass and reading degree shown with magnifying lens.
- Contrasting black and red numbers on compass card make it quick, clear and easy to read.
- Compass features liquid-dampened card with photo luminescent night lighting that quickly charges by placing compass momentarily under bright light. No batteries required.
- Colorful, sturdy, rubber housing protects compass.
- Includes an integral lanyard, which serves as convenient neck or wrist strap.
- Lifetime warranty.
- Factory certified accurate to within 1°.
- Includes directions for use and numbered calibration certificate.
- Dims: 1-3/16" x 3-3/16" diameter (30 x 81 mm).
- Wt: 0.29 lb. (132 g).



# CHART WEIGHTS

- Forged brass ring.
- Presentation gift box.
- Felt bottom protects surface and prevents sliding.
- Customized engraving available.
- Diameter: 3" (76 mm).
- Wt: .75 lbs. (340 g).



## Clock

- Quartz clock movement.
- LR44 battery included.
- Limited lifetime warranty.

### Available Finishes:

- 610500 — Brass Clock Chart Weight
- 610500PS Brass Clock Chart Weight & Pen Set
- 610500N Nickel Clock Chart Weight
- 610500NPS Nickel Clock Chart Weight & Pen Set

## Compass

- Liquid filled compass.

### Available Finishes:

- 661 Brass Compass Chart Weight
- 661PS Brass Compass Chart Weight & Pen Set
- 661N Nickel Compass Chart Weight
- 661NPS Nickel Compass Chart Weight & Pen Set

## Thermometer

- Working thermometer with both Celsius and Fahrenheit scales.

### Available Finishes:

- 412T Brass Thermometer Chart Weight
- 412TPS Brass Thermometer Chart Weight & Pen Set
- 412TN Nickel Thermometer Chart Weight
- 412TNPS Nickel Thermometer Chart Weight & Pen Set

## Magnifier

- 5 X magnifying lens.

### Available Finishes:

- 412M Brass Magnifier Chart Weight
- 412MPS Brass Magnifier Chart Weight & Pen Set
- 412MN Nickel Magnifier Chart Weight
- 412MNPS Nickel Magnifier Chart Weight & Pen Set







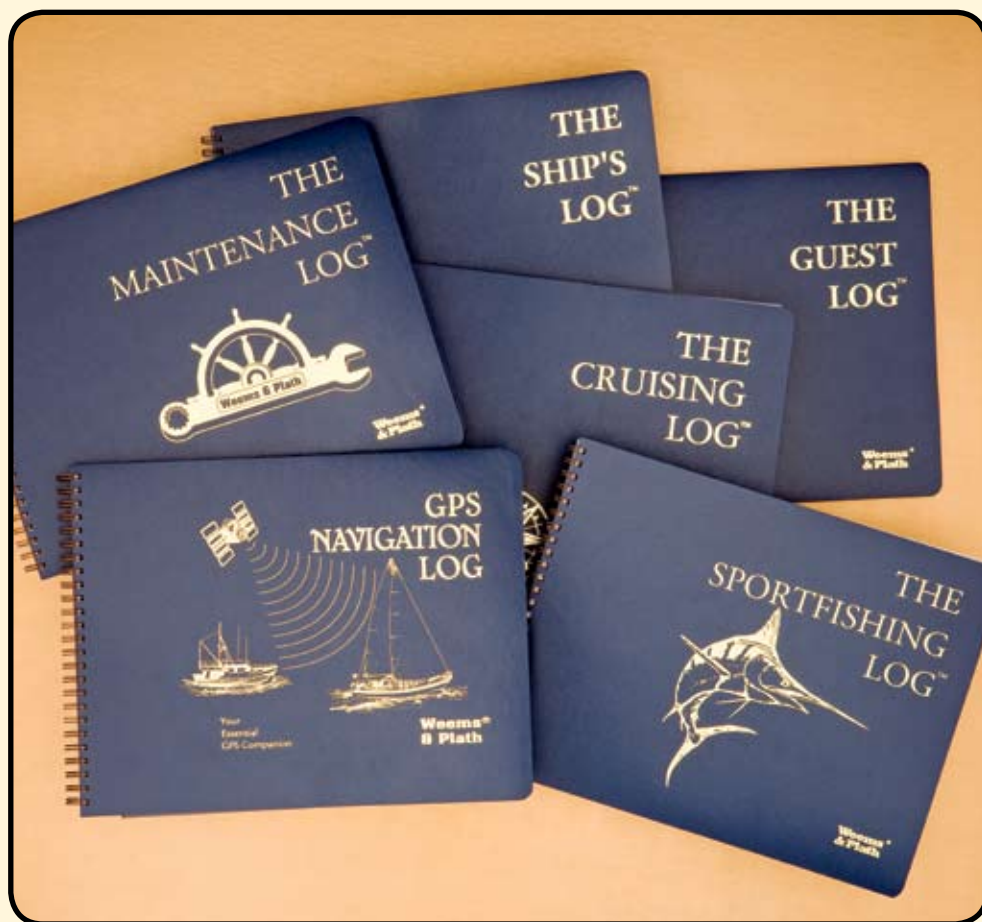


# CUSTOMIZING FOR CORPORATE & PERSONAL GIFTS

*We offer a wide range of customizing services in-house; featuring etching, engraving and printing of names and corporate logos on badges, metal, plastic, glass and much more. The price of each job will vary based on your specific requirements. Therefore, we will need to quote each job individually. Please see our custom products specification sheet, contact us at 1-800-638-0428 or email [sales@weems-plath.com](mailto:sales@weems-plath.com).*







## LOG BOOKS

- Attractive, embossed cover made of heavy, flexible waterproof material.
- Spiral bindings allow pages to open flat for ease in recording information.
- Every log contains over 80 pages for recording critical information, in addition to handy quick reference pages covering various topics.
- All logs are designed to fit inside our teak and leather covers for a more impressive presentation.
- Dims: 11-1/2" x 8-5/8" (292 x 219 mm).
- Wt: 0.94 lb. (426 g).

### The Ship's Log™ 797

- Flexible, diary type format consisting of lined pages for recording ship's data and activities.
- Included are guest register, vessel specifications and serial number list pages, as well as quick reference pages on topics including: rules of the road, weather reference, radio procedures and more.
- ISBN 1 878797 08 5.

### The Cruising Log™ 798

- Provides space for recording information about excursions, as well as a guest registry.
- Includes quick reference pages on such topics as: rules of the road, radio procedures, distress signals and weather reference.
- Includes space to record vital vessel information.
- ISBN 1 878797 06 9.

### The Guest Log™ 799

- Contains plenty of room for recording visitors aboard, as well as cruising information.
- Includes reference pages covering such topics as: equipment checklist, rules of the road and more.
- Pages for recording important vessel information also provided.
- ISBN 1 878797 07 7.

### GPS Navigation Log™ 800

- Backup GPS data in an organized format. Pages include: waypoint index, passage records and worksheets for dead reckoning.
- Contains quick reference index with float plan and 406 MHz EPIRB registration forms and more.
- ISBN 1 878797 14 X.

### The Sportfishing Log™ 803

- Designed for recording pertinent information about each fishing excursion.
- Pages include: anglers trip logs for recording sea conditions, activity, destinations, Loran coordinates, water temperature, hot spots and catch records.
- Additional pages are provided for recording vessel specifications and common courses, as well as quick reference pages on topics such as: flag use, radio procedures, rules of the road and more.
- ISBN 1 878797 09 3.

### The Maintenance Log™ 804

- Includes ample space to list vessel specifications, spare part numbers, repairs and maintenance, as well as space for reference drawings.
- Also includes quick reference pages on safety, weather, BIA certification requirements and more.
- ISBN 1 878797 10 7.



## Teak Log Covers

- Attractive, handmade teak covers with high gloss lacquer finish.
- Both practical and decorative.
- Fits all Weems & Plath Log Books (sold separately).
- All covers feature solid brass engravable plate.
- Marlin, Sailboat and Powerboat plates have ample room for engraving the vessel name, captain and hailing port.
- Dims: 13" x 10" (330 x 254 mm).
- Wt: 2.87 lbs. (1,302 g).

### Available Styles:

- 297 Teak Log Cover, Blank Plate
- 298 Teak Log Cover, Marlin Plate
- 299 Teak Log Cover, Sailboat Plate
- 300 Teak Log Cover, Powerboat Plate



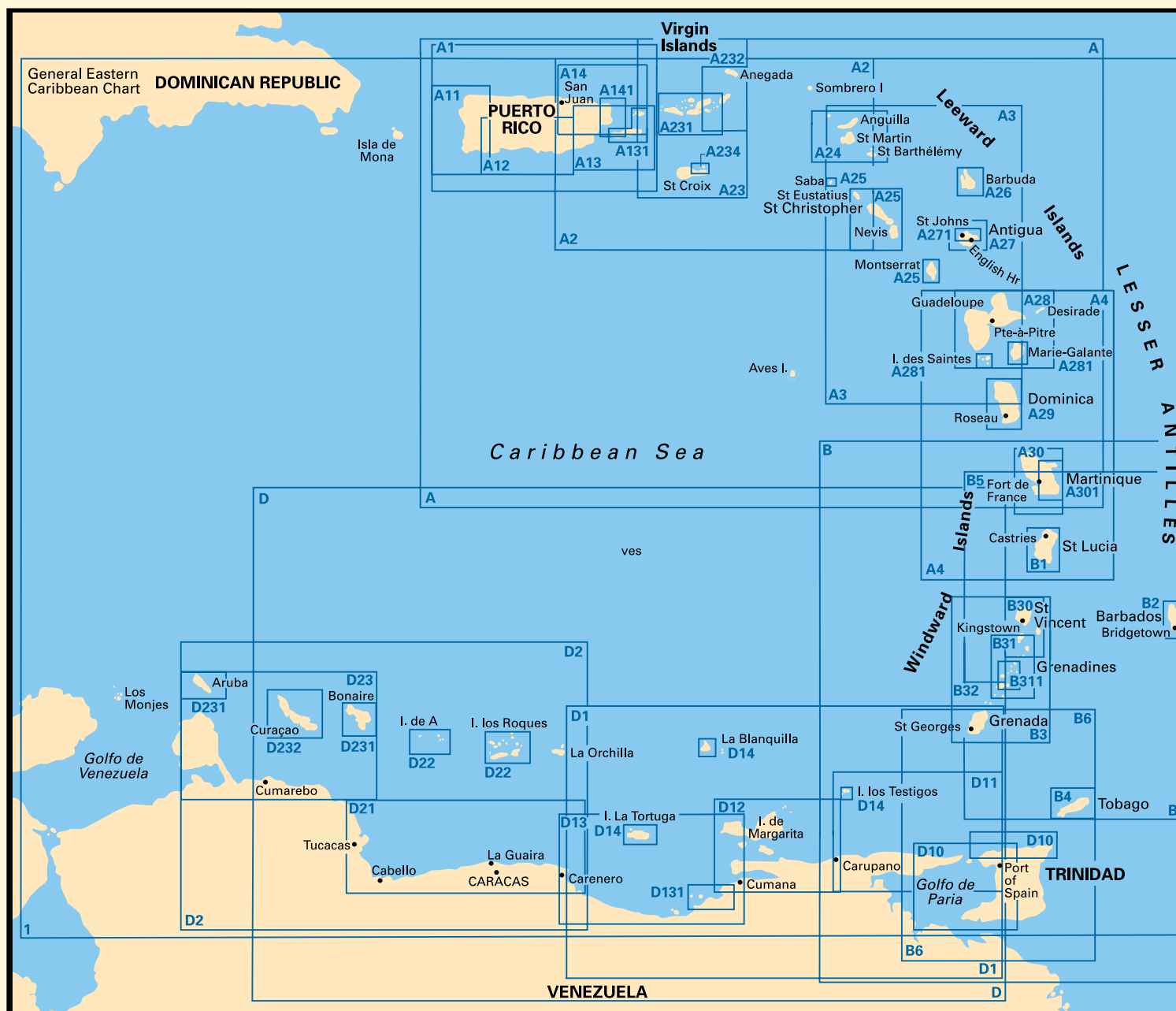
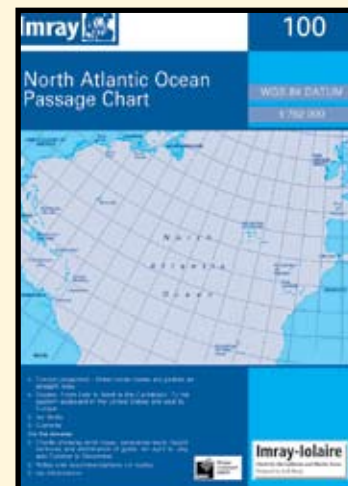
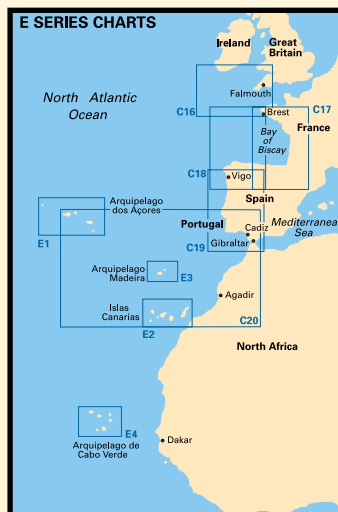
## Leather Log Cover 301

- Handsome alternative to Teak Log Cover.
- Fits all Weems & Plath® log books (sold separately).
- Brass plate that fits on the cover is reversible. On one side it says, "Ship's Log"; other side is blank, suitable for personalized engraving.
- Features brass corners to protect leather, plus a leather loop that conveniently holds a pen (included).
- Dims: 12-3/8" x 10" (314 x 254 mm).
- Wt: 1.25 lbs. (567 g).

### Accessories:

- 302 Spare Black/Gold Pen
- 303 Pen Refill

*Imray-Iolaire charts are printed in color and published in two standard sizes, 25" x 35-1/2" (640 x 900 cm) and 25" x 17-3/4" (640 x 450 cm). Using official surveys and notes based on local knowledge, features additional information on passages and anchorages as well as details of facilities for voyagers. Each chart has large scale inserts of the various important harbors and anchorages.*





- #1 Eastern Caribbean General Chart.** 1:1,824,000  
*Plans:* Monjes del Sur
- A Lesser Antilles –Puerto Rico to Martinique. Passage Chart** 1:930,000

## PUERTO RICO

- A1 Puerto Rico. Passage Chart** 1:285,000  
*Plans:* San Juan, Bahía de Ponce, Puerto Arecibo, Bahía de Mayaguez
- A11 Bahía de Guanica to Punta Borinquén.** 1:116,700  
*Plans:* Bahía de Mayaguez, Puerto Real, Bahía de Boqueron, Approaches to La Parguera
- A12 Punta Figuras to Bahía de Guanica.** 1:116,700  
*Plans:* Arroyo, Bahía de Ponce, Bahía de Jobos, Bahía de Guanica, Bahía de Guayanilla, Isla Caja de Muertos, Punta Petrona
- A13 Cabo San Juan to Culebra I and Punta Figuras.** 1:116,700  
*Plans:* Pasaje Medio Munda, Ensenada Honda, Palmas del Mar, Puerto Arroyo & Puerto Patillas
- A131 Isla de Culebra.** 1:33,500 **Isla de Vieques.** 1:44,500  
*Plans:* Esperanza, Ensenada Honda
- A14 San Juan to Isla de Vieques & Isla de Culebra.** 1:116,700  
*Plans:* Cayo Lobos, Marina Puerto Chico, Las Groabas, Isleta Marina, Isla Palominos, Bahía de San Juan, Puerto del Rey Marina
- A141 Cabo San Juan to Ensenada Honda & Isla de Vieques.** 1:40,000

## VIRGIN ISLANDS

- A2 Puerto Rico to St Christopher. Passage Chart** 1:416,000  
*Plan:* Sombrero I
- A23 Virgin Islands. 1:280,600 St Croix.** 1:101,400  
*Plans:* Christiansted, Port Alucroix & Limetree Bay, Frederiksted, Green Cay Marina
- A231 Virgin Islands–St Thomas to Virgin Gorda.** 1:88,300  
*Plans:* Charlotte Amalie, Virgin Gorda Yacht Harbour, Roadtown Harbour, Sea Cow Bay & Nanny Cay Marina, Cruz Bay
- A232 Virgin Islands–Tortola to Anegada.** 1:87,550  
*Plans:* Gorda Sound, South Sound, Roadtown Harbour & Approaches, Virgin Gorda Yacht Harbour
- A233 Virgin Islands.** A231 & A232 printed on a double-sided sheet.
- A234 Northeast Coast of St Croix.** 1:27,700  
*Plans:* Salt River Bay, Christiansted Harbour, Green Cay Marina

## LEEWARD ISLANDS

- A24 Anguilla, St Martin & St Barthélemy.** 1:100,000  
*Plans:* Road Bay, Oyster Pond, Gustavia, Prickly Pear Cays, Crocus Bay, Shoal Bay & Island Harbour, Groot Baai, Simsonbaai, Anse de Marigot
- A241 St Barthelemy.** 1:33,800  
*Plan:* Gustavia
- A242 St Martin.** 1:48,900
- A25 St Eustatius, St Christopher, Montserrat and Nevis.** 1:103,600  
*Plans:* Saba I., (30,500) Montserrat I., (104,000) Fort Baai (Saba), Basseterre Bay (St Kitts), The Narrows, Plymouth (Montserrat), Oranjebaai (St Eustatius)
- A26 Barbuda–Southwest Coast.** 1:35,600  
*Plans:* Gravenor Bay
- A27 Antigua.** 1:57,600  
*Plans:* Nonsuch Bay, Mamora Bay, Falmouth and English Harbours
- A271 North Coast of Antigua.** 1:29,600
- A28 Guadeloupe.** 1:141,000  
*Plans:* Pointe-à-Pitre, Anse Deshaies, Gozier, Port Louis, St François and Marina de la Gde Saline, Marine de Riviere Sens, Iles de la Petite Terre
- A281 Guadeloupe–Les Saintes.** 1:20,150; **Marie Galante.** 1:67,500  
*Plans:* St Anne & Anse Accul, Le Moule, Petit Havre Sainte Marie, N approaches to Pointe-à-Pitre, Grande Anse (Desirade) Grand-Bourg
- A29 Dominica.** 1:73,000  
*Plans:* Prince Rupert Bay, Roseau Roads & Woodbridge Bay
- A3 Anguilla to Dominica. Passage Chart** 1:397,000

## WINDWARD ISLANDS

- A30 Martinique.** 1:92,000  
*Plans:* Pointe du Bout, Rade de St Pierre, Cul-de-Sac Marin, Havre du Robert, Rade de Fort de France, Havre de la Trinite, Mouillage du François
- A301 Pointe du Diamant to Havre de la Trinite.** 1:60,000  
*Plans:* Pointe du Diamant to Havre de la Trinite
- A4 Guadeloupe to St Lucia. Passage Chart** 1:388,000
- B Lesser Antilles–Martinique to Trinidad. Passage Chart** 1:745,000
- B1 St Lucia.** 1:72,000  
*Plans:* Port Castries, Grand Cul de Sac Bay, Marigot Harbour, Rodney Bay & Yacht Harbour, Laborie Bay, Vieux Fort Bay & Point Sable Bay

- B2 Barbados.** 1:56,900  
*Plans:* Bridgetown, Speightstown
- B3 The Grenadines–St Vincent to Grenada.** 1:162,000
- B30 St Vincent to Mustique.** 1:73,000  
*Plans:* Kingstown Bay, Calliaqua Bay & Blue Lagoon, Admiralty Bay, W Coast of Mustique, Baliceaux & Battowia, Friendship Bay, Chateaubelair Bay
- B31 Bequia to Carriacou.** 1:91,200  
*Plans:* Hillsborough Bay, Clifton Harbour, Charlestown Bay, Tobago Cays
- B311 Middle Grenadines–Canouan to Carriacou.** 1:25,000
- B32 Carriacou to Grenada.** 1:91,000  
*Plans:* St George's Harbour (Grenada), Tyrell Bay (Carriacou), NE Pt of Grenada, Grenville Harbour (Grenada), SW coast of Grenada
- B4 Tobago.** 1:63,600  
*Plans:* King's Bay, Scarborough, Man of War Bay, Tyrrel's Bay, Plymouth
- B5 Tobago and Barbados. Passage Chart** 1:510,700
- B6 Grenada to Tobago and Trinidad.** 1:378,000. *Plans:* Chaguaramus Bay.

## VENEZUELA

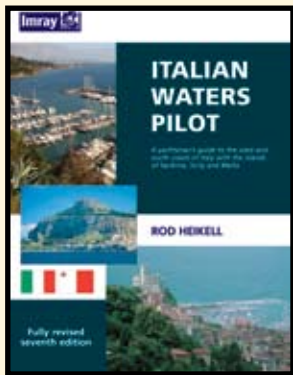
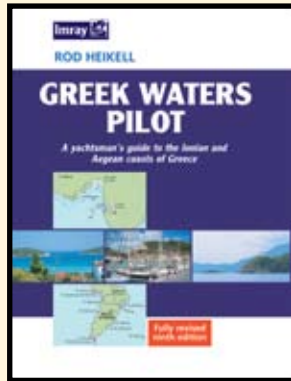
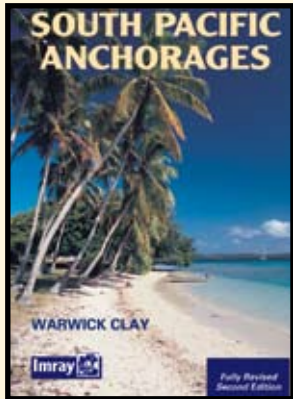
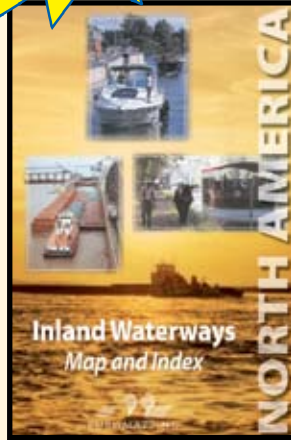
- D Venezuela –Gulf of Paria to Curaçao. Passage Chart.** 1:1,021,000
- D1 Port of Spain to Cabo Codera. Passage Chart** 1:583,700  
*Plans:* Port of Spain, Carenero
- D10 North Coast of Trinidad and Golfo de Paria.** 1:145,000  
*Plans:* Golfo de Paria, Guiría, Ensenada Patao, Ensenada Cariaquita, Macqueripe Bay, Maracas Bay, La Vache Bay, Las Cuevas Bay, Chupara Bay, Grande Riviere Bay, Toco Bay, Matelot Bay, Point Fortin, San Souci Bay, Pointe a Pierre, Brighton.
- D11 Trinidad to Carupano.** 1:240,700  
*Plans:* Guiría, Port of Spain, Carupano, Ensenada Cariaquita, Ensenada Yacua, Ensenada Pargo, Ensenada Mejillones, Playa Cacao, Ensenadas Patao & Uquirito, Macuro, Ensenada Uquire, Bahias Puerto Santos, Carupano
- D12 Carupano to Cumana and Isla de Margarita.** 1:173,000  
*Plans:* Pampatar, Bahía de Mangle, Bahía Escondida, Punta de Piedras, Porlamar, Cumana, Laguna Grande del Obispo, El Saco (Isla Coche)
- D13 Isla de Margarita to Carenero.** 1:255,300  
*Plans:* Carenero, Islas Piritu, Cumana
- D131 Puerto Mochima to Bahía de Barcelona.** 1:63,900  
*Plans:* Americo Vespucio Marina & El Morro, Marina Club Nautico El Morro, Puerto la Cruz Marina, Bahias Bergantin, Guanta & Pertigalete, Puerto Mochima
- D14 Islas los Testigos.** 1:30,000 **Isla la Tortuga.** 1:60,000  
*Plans:* Laguna el Carenero, La Blanquilla 1:60,000
- D2 Cabo Cadera to Cabo San Roman. Passage Chart** 1:583,700  
*Plans:* Puerto Carenero, Puerto Cabello
- D21 Carenero to Punta San Juan.** 1:244,400  
*Plans:* Puerto la Cruz, Puerto Cabello, Puerto Chichiriviche & Parque National Morrocoy, Bahía San Juan, Ensa de Corsarios, Higueroite, Puerto Carenero, Puerto Calera, Puerto la Guaira, Puerto Azul, Carabelleda YC & Marina Mar
- D22 Isla los Roques.** 1:89,700  
*Plans:* Puerto el Roque, Eastern end of Carenero, Cayo de Agua Isla de Aves 1:65,900 *Plans:* Lighthouse Islands, Long Island, Round Island, Eastern end Barlovento
- D23 Punta Aguide to Cabo San Roman & the A, B, C Islands.** 1:255,400  
*Plans:* Puerto Cumarebo, Oranjestad
- D231 Bonaire & Aruba.** 1:75,000  
*Plans:* Lac Baai, Kralendijk, Oranjestad
- D232 Curaçao.** 1:75,300  
*Plans:* Willemstad & Schottegat, Piscaderabaai, Santa Marta Baai, Spaanse Water

## NORTH ATLANTIC

- E1 Arquipelago dos Azores.** 1:759,000  
*Plans:* Porto das Velas, Ponta Delgada, Praia da Vitoria, Vila do Porto, Vila da Praia, Sant Cruz, Horta
- E2 Islas Canarias.** 1:598,000  
*Plans:* Pto de la Luz, Pto de los Marmoles & Pto de Naos, Pto de San Sebastian, Pto de Santa Cruz, Darsena Pesquera (S Cruz de Tenerife), Morro Jable, Pto de la Estaca
- E3 Arquipelago da Madeira.** 1:170,000  
*Plans:* Pto Santo, Pto do Funchal
- E4 Arquipelago de Cabo Verde.** 1:510,000  
*Plans:* Pto da Furna, Pto Grande, Pto de Sal-Rei, Pto Novo, Pto da Praia, Cavaleiras, Pto Velho, Baia da Palmeira
- E5 Bermuda.**

## NORTH ATLANTIC PASSAGE CHART

- NA100 North Atlantic Ocean Passage Chart.** 1:762,000



# IMRAY CRUISING GUIDES, PILOTS & ALMANACS

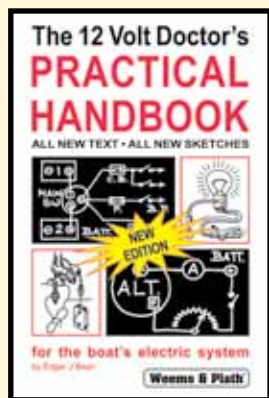
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1898574030. . . .	The Channel to the Mediterranean: A guide to the main routes through the French Canals
2901096263. . . .	Seychelles Pilot
646146823. . . . .	Yachtsman's Fiji
646278584. . . . .	Cruising the Coral Coast
852881479. . . . .	The Danube - A River Guide
852882467. . . . .	Australian Cruising Guide
852882513. . . . .	East Africa Pilot
852882831. . . . .	Inland Waterways of Germany
852882890. . . . .	River Seine Cruising Guide
852882955. . . . .	Indian Ocean Cruising Guide
852882963. . . . .	Cruising Guide to Southeast Asia Volume One: The South China Sea, Philippines, Gulf of Thailand to Singapore
852883781. . . . .	Cruising Guide to Southeast Asia Volume Two: Papua New Guinea, Indonesia, Malacca Strait
852883935. . . . .	North Sea Passage Pilot
852883978. . . . .	Mediterranean Cruising Handbook
852884001. . . . .	Atlantic Islands: Azores, Canaries, Maderia and Cape Verdes
852884036. . . . .	Adriatic Pilot
852884052. . . . .	Atlantic Spain & Portugal: La Coruna to Gibraltar
852884087. . . . .	Chile - Arica Desert to Tierra del Fuego
852884133. . . . .	Cuba: A Cruising Guide
852884168. . . . .	RCC North Biscay: Ouessant to the Gironde Estuary
852884222. . . . .	South Biscay: La Gironde to La Coruna
852884230. . . . .	Ionian
85288432X . . . . .	Cruising Guide to the Netherlands
852884478. . . . .	West Aegean
852884575. . . . .	Islas Baleares
852884729. . . . .	Inland Waterways of France
852884818. . . . .	Turkish Waters & Cyprus Pilot
852884826. . . . .	South Pacific Anchorages
852884834. . . . .	North Brittany and the Channel Islands
852885342. . . . .	Greek Waters Pilot
852885350. . . . .	Mediterranean Spain - Costas Del Sol and Blanca
852885547. . . . .	Red Sea Pilot
852885792. . . . .	Map of the Inland Waterways of Great Britain
852885806. . . . .	Map of the Inland Waterways of France
852886179. . . . .	Mediterranean France & Corsica
852886217. . . . .	Mediterranean Spain: Costas del Azahar, Dorada, and Brava
852886276. . . . .	Italian Waters Pilot
852886667. . . . .	The Baltic Sea
852886802. . . . .	Grenada to the Virgin Islands Pilot
852887582. . . . .	Cruising Cork and Kerry
852887905. . . . .	The Channel Islands
852888368. . . . .	Fearsome Passages
852888376. . . . .	Ocean Passages and Landfalls: Routes and Landfalls of the World
852888406. . . . .	North Africa
8528885953. . . .	Cruising Guide to Germany and Denmark
852888945. . . . .	The Shell Channel Pilot
85288911. . . . .	Mediterranean Almanac
85288912. . . . .	Cruising Almanac
855. . . . .	Andaman Sea Pilot
9536036878. . . .	Navigational Guide to the Adriatic Croatian Coast
954190033X . . . .	South Atlantic Circuit

## Telescoping Chart Case

080

- Tubular-shaped fully enclosed case.
- Reinforced rib design provides strength.
- Twist-lock telescoping feature easily adjusts to accommodate chart lengths from 24" to 47".
- 3" diameter offers ample storage space.
- Case has adjustable shoulder strap and threaded cap for security.
- Length: Expands from 24" to 47" (610 x 1194 mm).
- Wt: 1 lb. (454 g).





## The 12 Volt Doctor's Practical Handbook

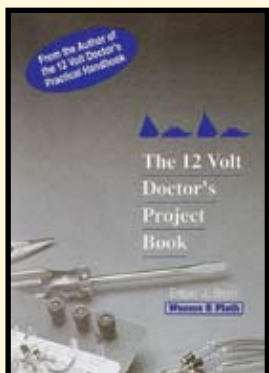
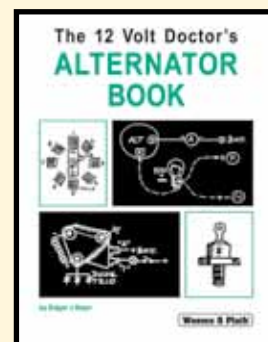
15010

- Provides a clear and useful guide for electrical system troubleshooting.
- Covers such subjects as lightening protection, engine instruments and alarms.
- Chapter on Electrolytic Corrosion is the most definitive text available on the subject.
- Expanded troubleshooting section.
- Plentiful, simple illustrations make the book easy to use even if reader has no previous electrical experience.
- With the "Doctor" you can: fix electrical problems on board before calling expensive outside technicians, learn and understand basic electricity, maintain your own 12 volt system, understand and use "zincs" effectively and isolate and repair hard to diagnose electrical problems.
- ISBN 1 878797 13 1.

## The 12 Volt Doctor's Alternator Book

15012

- Book continues in the same familiar style as The 12 Volt Doctor's Practical Handbook, and helps simplify the mysteries of the boat's alternator—the prime source of power on almost every boat.
- User-friendly revision is a comb-bound, 8-1/2" x 11" size, which has larger drawings and lays flat when open, for hands-free work.
- Simple drawings and clear instructions help the reader identify alternators and understand how they work.
- Covers topics such as: field connections, brushes, internal regulators, idiot light, tachometer connection, identification of terminals, testing procedures, emergency repairs, connecting regulators and basics of how to take the alternator apart.
- ISBN 1 878797 02 6.



## The 12 Volt Doctor's Project Book

15014

- Goes beyond basic equipment.
- Offers a variety of building projects with circuits, components and brief descriptions of how they work.
- Some projects include: adding a third battery bank without another main switch, making an ammeter for high current, high and low voltage indicator lights, various alarm systems, wind speed indicators and motion sensors.
- All projects are intended for use with 12 volt systems, or are somehow related to 12 volt battery systems and direct current.
- Previous experience with electrical and mechanical work is suggested.
- ISBN 1 878797 01 8.

## BRASS & NICKEL BELLS

- Cast brass or nickel plated brass.
- Includes bulkhead or wall mount bracket.
- Lanyard included (white for brass bells, navy blue for nickel bells).
- 8.5", 12" and 18" bells meet the US Coast Guard requirement for larger commercial vessels.

### Available Sizes and Finishes:

4040	4" (102 mm) Brass Bell; 1.1 lb (500 g)
4040N	4" (102 mm) Nickel Bell; 1.1 lb (500 g)
5050	5" (127 mm) Brass Bell; 1.76 lb (800 g)
5050N	5" (127 mm) Nickel Bell; 1.76 lb (800 g)
6060	6" (152 mm) Brass Bell; 2.65 lbs (1,200 g)
6060N	6" (152 mm) Nickel Bell; 2.65 lbs (1,200 g)
7070	7" (178 mm) Brass Bell; 4.3 lbs (1,950 g)
7070N	7" (178 mm) Nickel Bell; 4.3 lbs (1,950 g)
8585	8.5" (216 mm) Brass Bell; 7.28 lbs (3,300 g)
8585N	8.5" (216 mm) Nickel Bell; 7.28 lbs (3,300 g)
1212	12" (305 mm) Brass Bell; 18.74 lbs (8,500 g)
1212N	12" (305 mm) Nickel Bell; 18.74 lbs (8,500 g)
1800	18" (457 mm) Brass Bell; 70.55 lbs (32,000 g)



6060/EN4006

- 6" bell mounted on 9" x 12" (229 x 305 mm) high gloss mahogany plaque with brass plate.
- 6060/EN4006 shown (please inquire about additional size options).
- Wt: 4 lbs. 4.5 oz. (1956 g).

- All bells come with simple slide and lock mounting hardware.
- Extra mounting hardware available separately. Please inquire.



# The Weems Navigator Watch



**Weems & Plath®**

*Manufacturer of Fine Nautical Instruments*

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