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Premier Color-coded E6-B2 Series

NEW REVOLUTIONARY WINDSPEED CURSOR ARM COMPUTERS
solves wind problems in three setups, eliminates plotting dots

CONVENTIONAL PREMIERE COLOR-CODED E6-B2
Pocket-size E6-B4 Series

WIND SLIDE COMPARISONS

NEW REVOLUTIONARY WINDSPEED CURSOR ARM COMPUTERS
Solves wind problems in three setups, eliminates plotting dots

High Speed Slide
200 to 700 knots or miles
F Factor Corrections Scale
Crosswind Component Grid
E6-B4WL

Low Speed Slide
40 to 270 knots or miles
WAC & Sectional Rulers
Windspeed Cursor Instructions
Colored Sawtooth Windspeed Cursor
E6-B4WHL

Low Speed Slide
40 to 270 knots or miles
Windspeed Cursor Instructions
Colored Sawtooth Windspeed Cursor

High Speed Slide
100 to 820 knots or miles
F Factors Corrections Scale
Graphic Crosswind Grid
WAC & Sectional Rulers
Colored Sawtooth Windspeed Cursor

CONVENTIONAL POCKET-SIZE E6-B4

Wind Triangle Information
Graphic Crosswind Grid
WAC & Sectional Rulers
E6-B4T

Low Speed Slide
40 to 270 knots or miles
Graphic Wind Triangle Instructions
E6-B4

High Speed Slide
200 to 700 knots or miles
F Factor Corrections Scale
Crosswind Component Grid

Low Speed Slide
40 to 270 knots or miles
Instructions for TH and GS
WAC & Sectional Rulers
APR Universal T/S/D Wind Triangle Flight Computers

Standard E6-B9 Series

WIND SLIDE COMPARISONS

NEW REVOLUTIONARY WINDSPEED CURSOR ARM COMPUTERS

solves wind problems in three setups, eliminates plotting dots

CONVENTIONAL STANDARD E6-B9
NEW REVOLUTIONARY WINDSPEED CURSOR ARM COMPUTERS
solves wind problems in three setups, eliminates plotting dots

Wind Triangle Information
Graphic Crosswind Grid
WAC & Sectional Rulers
Universal Conversion Scales

Low Speed Slide
40 to 270 knots or miles
Illustrated Instructions
Colored Sawtooth Windspeed Cursor
56-Page Instruction Manual

Includes 8” Plastic NP-8 Plotter

CONVENTIONAL ALL PLASTIC STUDENT E6-B8

Wind Triangle Information
Graphic Crosswind Grid
WAC & Sectional Rulers

Low Speed Slide
40 to 270 knots or miles
Graphic Wind Triangle Instructions

Includes 8” Plastic NP-8 Plotter
# APR Industries

## Time/Speed/Distance Wind Triangle Computers

### E6-B Series Comparison Chart

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UNIVERSAL COLOR-CODED SCALE

E6-B2D Pilot’s Flight Computer

The Number One Choice of Pilots!

**FEATURES**

Complete 56 page Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.

Miles and Gallons Scale (Distance)

Off-course & Drift Corrections

Minutes & Hours Scale (Time)

Mach Number Index Window

Slide-Rule Mathematics

Wind Component Grid

Color-Coded Conversion Scales

Microset Alignment

Wind Slide Lock

Flush T/S/D Dial

**CONVERSIONS**

Minutes to Seconds

True Airspeed

True Altitude

Temperature

Kilometers

Statute to Nautical to Statute Miles

The Deluxe Universal Wind Triangle & T/S/D 4-color computer calculates flight planning and en route navigation requirements. The unit includes wind slide speeds of 40 to 270 kts or miles, color-coded conversion scales, slide lock, flush compass ring, and write-in TC to CH boxes.

The slide has Nautical and Statute rulers for Sectional and WAC charts, typical east/west magnetic variation diagrams, wind triangle definitions, true heading and true course solutions, and a headwind and crosswind component grid.

Instructions to solve for ground speed, WCA, and headings are printed on the computer and make learning faster and easier.

The Time/Speed/Distance computer provides all major navigation computations.

The flight planning side of the wind triangle slide shows formulas for true course to compass headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. The headwind and crosswind component grid depicts the relative wind angle in a multi-color graphic for accurate and easy interpretation. Nautical and Statute scales for Sectional and WAC Charts are printed on the sides of the slide.

MEETS FAA AC 60-8 REQUIREMENTS.

Includes instruction manual valued at $9.95

Custom case. Lifetime, anodized aluminum.

4 7/8" x 9 5/8"

MSRP $34.95

The Only Color-Coded E6-B Computer Available!

Made in USA
The Ultimate Wind Triangle & T/S/D computer calculates all necessary flight planning and en route navigation requirements. Included on the unit are both low (40 to 270 kts or mi) and high (200 to 700 kts or mi) speed slides. Nautical and Statute scales for WAC and Sectional Charts are on two rulers on the sides of the slide.

The high speed side shows a crosswind component grid and nautical/statute scales for WAC and Sectional Charts. Also included is a Compressibility F Factors Scale. This scale solves for pressure altitudes from 10,000 to 60,000 feet and True or Calibrated Airspeed from 200 to 550 knots.

The Time/Speed/Distance computer determines fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections and provides slide-rule mathematics.

Also included is a complete comprehensive 56 page instruction manual with the bonus section Dead Reckoning Wind Effects Theory, Calculations, and Vector Diagrams valued at $9.95.

The E6-B2HL calculates all necessary flight planning and en route navigation requirements. Color-coded sawtooth scales are user-friendly and allow for quick, accurate reading. Instructions printed on the computer make learning faster and easier.

Includes custom case, lifetime anodized aluminum. 4 7/8" x 9 5/8" MSRP $39.95
NEW REVOLUTIONARY AIRLEARN
E6-B2WL Pilot’s Flight Computer

Check out the new LOW WINDSPEED CURSOR ARM
Patent Pending

- FEATURES -
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Color-Coded Conversion Scales
Microset Alignment
Wind Slide Lock
Flush T/S/D Dial
Altitude Correction
Fuel Consumption
Density Altitude Factors

- CONVERSIONS -
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles
Low Speed Slide

No other E6-B computer compares!

APR’s PILOT WIND TRIANGLE AND T/S/D NAVIGATION COMPUTER features the NEW, EXCLUSIVE LOW WINDSPEED CURSOR ARM which quickly shows ground speed, wind correction angle, and heading, thereby eliminating two set-ups and the need to mark a dot on the plastic disc. The Low Windspeed Cursor Arm makes solving wind problems a breeze. Simply set your true course, rotate cursor arm to wind direction, and read your wind correction angle and groundspeed. A color enhanced sawtooth scale on the WINDSPEED CURSOR ARM is user-friendly and allows for quick, accurate reading.

THE TIME/Speed/DISTANCE COMPUTER PROVIDES ALL MAJOR NAVIGATION COMPUTATIONS and MORE. The T/S/D face of the E6-B2WL calculates all necessary flight planning and en route navigation requirements. It shows fuel consumption solutions, density altitude factors, conversions for true airspeed and altitude, Mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and slide-rule mathematics. Instructions printed on the T/S/D make learning faster and easier.

The flight planning wind triangle information slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. Nautical and statute scales for sectional and WAC charts are printed on the sides of the slide. A headwind and crosswind component grid depicts the relative wind angle in a multi-color graphic for accurate and easy interpretation.

Includes custom case. Lifetime anodized aluminum, 4 7/8” x 9 5/8”.

MSRP $44.95

Made in USA
NEW REVOLUTIONARY & VERSATILE
E6-B2WHL Pilot's Flight Computer

- FEATURES -
  - Complete Instruction Manual includes BONUS Section on Dead
    Reckoning and Wind Effect Theory Calculations.
  - Miles and Gallons Scale
  - Minutes & Hours Scale
  - Off-course Corrections
  - Mach No. Index Window
  - Density Altitude Factors
  - Slide-Rule Mathematics
  - Wind Component Grid
  - Microset Alignment
  - Beveled T/S/D Dial
  - Altitude Correction
  - Fuel Consumption

- CONVERSIONS -
  - Minutes to Seconds
  - True Airspeed
  - True Altitude
  - Temperature
  - Kilometers
  - Statute to Nautical to Statute Miles

“...windspeed cursor computer takes you from your student pilot training to your Airline Transportation Pilot Certificate.”

The Ultimate Wind Triangle & T/S/D computer calculates all necessary flight planning and en route navigation requirements. Included on the unit are both low (40 to 270 kts or m) and high (100 to 820 kts or m) speed slides, a compressibility F factors scale, a Cross Wind Component Grid, Nautical/Statute Scales for WAC and Sectional Charts, and two rulers.

The E6-B2WHL features the exclusive HIGH/LOW WINDSPEED CURSOR ARM which quickly shows ground speed, wind correction angle, and heading. This revolutionary design eliminates two set-ups and the need to mark a dot on the plastic disc. User-friendly, color-coded sawtooth scales and instructions are printed on the computer slide.

The Time/Speed/Distance computer determines fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and provides slide-rule mathematics.

Also included is a complete comprehensive instruction manual with the bonus section Dead Reckoning Wind Effect Theory, Calculations, and Vector Diagrams.

The E6-B2WHL calculates all necessary flight planning and en route navigation requirements. Color-coded sawtooth scales are user-friendly and allow for quick, accurate reading. Instructions printed on the computer make learning faster and easier. Includes custom case, lifetime anodized aluminum. 4 7/8" x 9 5/8"  
MSRP $49.95
POCKET TIME/SPEED/DISTANCE WIND TRIANGLE
E6-B4T Pilot’s Flight Computer
Operating Instructions at Your Fingertips!

- FEATURES -
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Microset Alignment
Beveled T/S/D Dial
Altitude Correction
Fuel Consumption
Density Altitude Factors

- CONVERSIONS -
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles

Wind Triangle Information
Low Speed Slide

The Pocket Universal E6-B4T Wind Triangle and Time/Speed/Distance Computer calculates flight planning and essential en route navigation requirements. The unit has write-in TC to CH boxes. The low speed wind slide shows speeds of 40 to 270 knots or miles.

Learning is faster and easier with instructions to solve for ground speed, WCA, and headings printed at the top of the slide.

APR’s Airlearn System Flight Planning Wind Triangle Information Slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation.

Check it out at your APR Dealer

Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions.

The headwind and crosswind component grid depicts the relative wind angle in a two-tone graphic for accurate and easy interpretation. Nautical and statute rulers for Sectional and WAC Charts are on the sides of the slide.

MEETS FAA AC 60-8 REQUIREMENTS.
Custom case. Lifetime, anodized aluminum.
3 1/4” x 6 3/8”
MSRP $34.95
The Pocket Size Wind Triangle & T/S/D flight computer calculates all necessary flight planning and en route navigation requirements. Included on the unit are both low (40 to 270 kts or mi) and high (200 to 700 kts or mi) speed slides, a compressibility F factors scale, a Cross Wind Component Grid, and two rulers.

The Time/Speed/Distance computer determines fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections and provides slide-rule mathematics.

Also included is a complete comprehensive instruction manual with the bonus section Dead Reckoning Wind Effects Theory, Calculations, and Vector Diagrams.
APR’s NEW REVOLUTIONARY E6-B4WL
Low & High Speed Pilot’s Pocket Computer
WITH THE WINDSPEED CURSOR ARM

FEATURES
- Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
- Miles and Gallons Scale (Distance)
- Off-course & Drift Corrections
- Minutes & Hours Scale (Time)
- Mach Number Index Window
- Slide-Rule Mathematics
- Wind Component Grid
- Microsoft Alignment
- Beveled T/S/D Dial
- Altitude Correction
- Fuel Consumption
- Density Altitude Factors

CONVERSIONS
- Minutes to Seconds
- True Airspeed
- True Altitude
- Temperature
- Kilometers
- Statute to Nautical to Statute Miles

Pocket E6-B4 with a Low Windspeed Cursor and Low & High Speed Slides!

The Combo Pocket Size Low Windspeed Cursor and T/S/D computer calculates all necessary flight planning and en route navigation requirements. Included on the unit are both low (40 to 270) and high (200 to 700 knots or miles) speed slides. The high speed slide shows a compressibility F factors scale and a crosswind component grid. The low speed slide has instructions to solve for groundspeed, WCA, and headings along with Nautical scales for WAC and Sectional Charts printed on two rulers, and a kilometer to nautical mile international conversion scale.

The E6-B4WL features the exclusive WINDSPEED CURSOR ARM with a user-friendly, color-coded sawtooth scale. The cursor arm quickly shows ground speed, wind correction angle, and heading. This revolutionary design eliminates two set-ups and the need to mark a dot on the plastic disc for low speed problems. High speed problems are solved by plotting a dot on the disc.

The Time/Speed/Distance computer determines fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, Mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and provides slide-rule mathematics. Instructions printed on the T/S/D make learning faster and easier.

APR’s E6-B4WL includes a complete comprehensive instruction manual with the bonus section Dead Reckoning, Wind Effects Theory and Calculations, and Vector Diagrams.

Includes custom case. Lifetime anodized aluminum. 3 1/4” x 6 3/8”.

MSRP $39.95

Made in USA
NEW REVOLUTIONARY & VERSATILE E6-B4WHL Pilot’s Flight Computer

The Only HIGH/LOW WINDSPEED CURSOR Available!

Patent Pending

**FEATURES**
- Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
- Miles and Gallons Scale
- Minutes & Hours Scale
- Off-course Corrections
- Mach No. Index Window
- Density Altitude Factors
- Slide-Rule Mathematics
- Wind Component Grid
- Microset Alignment
- Beveled T/S/D Dial
- Altitude Correction
- Fuel Consumption

**CONVERSIONS**
- Minutes to Seconds
- True Airspeed
- True Altitude
- Temperature
- Kilometers
- Statute to Nautical to Statute Miles

Low Speed Slide

High Speed Slide

"The new Pocket E6-B4 is all you’ll ever need; it provides windspeeds from 40 to 820 knots or miles."

The Ultimate Pocket Size Wind Triangle & T/S/D computer calculates all necessary flight planning and en route navigation requirements. Included on the unit are both low (40 to 270 kts or mi) and high (100 to 820 kts or mi) speed slides, a compressibility F factors scale, a Cross Wind Component Grid, and Nautical/Statute Scales for WAC and sectional charts on two rulers on the slide.

The E6-B4WHL features the exclusive WINDSPEED CURSOR ARM which quickly shows ground speed, wind correction angle, and heading. This revolutionary design eliminates two set-ups and the need to mark a dot on the plastic disc. The cursor has user-friendly, color-coded sawtooth scales and instructions are printed on the computer slide.

The Time/Speed/Distance computer calculates fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, Mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and provides slide-rule mathematics.

Also included is a complete comprehensive instruction manual with the bonus section Dead Reckoning Wind Effects Theory, Calculations, and Vector Diagrams!

The E6-B4WHL calculates all necessary flight planning and en route navigation requirements. Color-coded sawtooth scales are user-friendly and allow for quick, accurate reading. Instructions printed on the computer make learning faster and easier. Includes custom case, lifetime anodized aluminum. 3 1/4" x 6 3/8"

MSRP $49.95

Made in USA
CLASSIC UNIVERSAL AIRLEARN
E6-B9 Pilot’s Flight Computer
Competitor E6-B’s Do Not Compare!

- FEATURES -
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
- MILES AND GALLONS SCALE (DISTANCE)
- OFF-COURSE & DRIFT CORRECTIONS
- MINUTES & HOURS SCALE (TIME)
- MACH NUMBER INDEX WINDOW
- SLIDE-RULE MATHEMATICS
- WIND COMPONENT GRID
- ALTITUDE CORRECTION
- FUEL CONSUMPTION
- DENSITY ALTITUDE FACTORS

- CONVERSIONS -
- MINUTES TO SECONDS
- TRUE AIRSPEED
- TRUE ALTITUDE
- TEMPERATURE
- KILOMETERS
- STATUTE TO NAVAL TO STATUTE MILES

Wind Triangle Information
Low Speed Slide

Check out the E6-B9 at your APR Dealer

The Classic Universal E6-B9 Wind Triangle and Time/Speed/Distance Computer calculates flight planning and essential en route navigation requirements. The unit has write-in TC to CH boxes. The low speed wind slide shows speeds of 40 to 270 knots or miles.

Learning is faster and easier with instructions to solve for ground speed, WCA, and headings printed at the top of the slide.

APR’s Airlearn System Flight Planning Wind Triangle Information Slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation.

Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions.

The headwind and crosswind component grid depicts the relative wind angle in a two-tone graphic for accurate and easy interpretation. Nautical and statute rulers for Sectional and WAC Charts are on the sides of the slide.

MEETS FAA AC 60-8 REQUIREMENTS.
Custom case. Lifetime, anodized aluminum.
4 7/8" x 9 5/8"
MSRP $29.95

Made in USA

APR INDUSTRIES 11201 HINDRY AVE., LOS ANGELES, CA 90045-6225 | WWW.APRINDUSTRIES.COM | APR1@FLASH.NET © APR IND 2011
NEW REVOLUTIONARY UNIVERSAL
E6-B9HL Pilot's Flight Computer
Versatile! Covers Speeds from 40 to 700 knots or miles!

• FEATURES •
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
Windspeed Cursor Arm
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Altitude Correction
Fuel Consumption
Density Altitude Factors

• CONVERSIONS •
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles

Lo Speed Slide

Hi Speed Slide

The Ultimate Wind Triangle & T/S/D computer calculates all necessary flight planning and en route navigation requirements. Included in the unit are both low (40 to 270 kts or mi) and high (200 to 700 kts or mi) speed slides. Nautical and Statute scales for WAC and Sectional Charts are on two rulers on the sides of the slide.

The high speed slide shows a crosswind component grid and a Compressibility F Factors Scale. This scale solves for pressure altitudes from 10,000 to 50,000 feet and True or Calibrated Airspeed from 200 to 550 knots.

The Time/Speed/Distance computer determines fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections and provides slide-rule mathematics.

Also included is a complete comprehensive instruction manual with the bonus section Dead Reckoning Wind Effects Theory, Calculations, and Vector Diagrams.

Scales on the E6-B9HL are user-friendly and allow for quick, accurate reading. Instructions printed on the computer make learning faster and easier.

Includes custom case, lifetime anodized aluminum. 31/4" x 6 3/8"

MSRP $34.95
NEW REVOLUTIONARY UNIVERSAL
E6-B9WL Pilot’s Flight Computer
INTRODUCING THE LOW WINDSPEED CURSOR ARM

• FEATURES •
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
Windspeed Cursor Arm
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Altitude Correction
Fuel Consumption
Density Altitude Factors

• CONVERSIONS •
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles

There’s No Other E6-B Computer Like It!

APR’s E6-B9 UNIVERSAL WIND TRIANGLE & T/S/D NAVIGATION COMPUTER has been upgraded to E6-B9WL with the new, exclusive WINDSPEED CURSOR ARM which quickly shows groundspeed, wind correction angle, and heading. This revolutionary design eliminates two set-ups and the need to mark a dot on the plastic disc.

The new APR Windspeed Cursor Arm makes solving wind problems a breeze. Simply set your true course, rotate cursor arm to wind direction, and read the wind correction angle and groundspeed. Instructions for Windspeed Cursor set-up are printed at the top of the low speed wind slide.

The E6-B9WL Time/Speed/Distance computer solves all major navigation computations and calculates necessary flight planning and en route navigation requirements.

Fuel consumption solutions, density altitude factors, conversions for true airspeed & altitude, Mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and slide-rule mathematics are quickly determined. The unit has write-in TC to CH boxes. The low speed wind slide shows speeds of 40 to 270 knots or miles. Instructions and user-friendly scales printed on the T/S/D computer make learning faster and easier and allow for more accurate reading.

The flight planning wind triangle information slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. The headwind and crosswind component grid depicts the relative wind angle in a two-tone graphic for accurate and easy interpretation. Nautical and Statute rulers for Sectional and WAC charts are printed on the sides of the slide. Meets FAA AC 60-8 requirements.

Custom case, Lifetime anodized aluminum, 4 7/8” x 9 5/8”. MSRP $39.95
NEW REVOLUTIONARY UNIVERSAL E6-B9WHL Pilot's Flight Computer

Introducing the HIGH & LOW WINDSPEED CURSOR ARM
Patent Pending

- FEATURES -
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.

- WINDSPEED CURSOR ARM -
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Altitude Correction
Fuel Consumption
Density Altitude Factors

- CONVERSIONS -
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles

Low Speed Slide

High Speed Slide

"The windspeed cursor computer takes you from your student pilot training to your Airline Transportation Pilot Certificate."

APR's E6-B9 UNIVERSAL WIND TRIANGLE & T/S/D NAVIGATION COMPUTER has been upgraded to E6-B9WHL with the new, exclusive WINDSPEED CURSOR ARM which quickly shows groundspeed, wind correction angle, and heading. This revolutionary design eliminates two set-ups and the need to mark a dot on the plastic disc.

The new APR Windspeed Cursor Arm makes solving wind problems a breeze. Simply set your true course, rotate cursor arm to wind direction, and read the wind correction angle and groundspeed. Instructions for Windspeed Cursor set-up are printed at the top of the slide.

The E6-B9WHL Time / Speed / Distance computer solves all major navigation computations and calculates necessary flight planning and en route navigation requirements.

Fuel consumption solutions; density altitude factors; conversions for true airspeed & altitude, mach number, kilometers, minutes to seconds, statute to nautical to statute miles, off-course and drift corrections, and slide-rule mathematics are quickly determined. The unit has write-in TC to CH boxes. The low speed wind slide shows speeds of 40 to 270 knots or miles; the high speed side shows 100 to 820 knots or miles. Instructions and user-friendly scales printed on the computer make learning faster and easier and allow for more accurate reading.

The high speed side of the wind triangle slide shows a Compressibility F Factors Scale that solves for pressure altitudes from 10,000 to 50,000 feet and True Airspeed and Calibrated Airspeed from 200 to 550 knots. The headwind and crosswind component grid depicts the relative wind angle in a two-tone graphic for accurate and easy interpretation. Nautical and Statute rulers for Sectional and VFR charts are printed on the sides of the slide. Meet's FAA AC 60-8 requirements.

Custom case. Lifetime anodized aluminum. 4 7/8" x 9 5/8".

MSRP $44.95

APR INDUSTRIES 11201 HINDRY AVE., LOS ANGELES, CA 90045-6225 | WWW.APRINDUSTRIES.COM | APR1@FLASH.NET © APR IND 2011

Made in USA
APR's STUDENT PILOT WIND TRIANGLE & TIME/SPEED/DISTANCE NAVIGATION COMPUTER calculates all necessary flight planning and en route navigation requirements. It is the only student pilot computer constructed entirely of plastic; competitors' computers are paper, composite, or fiberboard.

The E6-B8's double-sided slide provides a low speed slide that will solve for windspeeds from 40 to 270 knots or miles and instructions to solve groundspeed, wind correction angle, and headings.

The Flight Planning Wind Triangle Information side shows formulae for True Course to Compass Headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. A headwind and crosswind component grid depicts the relative wind angle for accurate and easy interpretation. The sides of the slide include rulers with nautical and statute scales for Sectional and WAC charts.

The Time/Speed/Distance side of the computer has contrasting black and white scales that allow for more accurate reading. Precision graphics display all necessary computations with instructions for fuel consumption, density altitude factors, slide rule mathematics, and off-course drift corrections. Also printed on the face of the computer are conversions for True Airspeed and Altitude, Mach number, kilometer, gallons to liters, nautical to statute miles, and a Temperature Conversion Scale. The wind triangle side of the computer provides write-in boxes for conversions from True Course to Compass Heading.

APR's E6-B8 student pilot computer includes an illustrated instruction manual. PVC plastic, 4 1/2" x 8 3/4" MSRP $15.95
**The APR Airlearn System designed by pilots for pilots!**

APR’s STUDENT PILOT WIND TRIANGLE & TIME/SPEED/DISTANCE NAVIGATION COMPUTER calculates all necessary flight planning and en route navigation requirements. It is the only student pilot computer constructed entirely of plastic; competitors’ computers are paper, composite, or fiberboard.

The E6-B8’s double-sided slide provides a low speed slide that will solve for windspeeds from 40 to 270 knots or miles and instructions to solve groundspeed, wind correction angle, and headings.

The Flight Planning Wind Triangle Information side shows formulae for True Course to Compass Heads as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. A headwind and crosswind component grid depicts the relative wind angle for accurate and easy interpretation. The sides of the slide include rulers with nautical and statute scales for Sectional and WAC charts.

The Time-Speed/Distance side of the computer has contrasting black and white scales that allow for more accurate reading. Precision graphics display all necessary computations with instructions for fuel consumption, density altitude factors, slide rule mathematics, and off-course drift corrections. Also printed on the face of the computer are conversions for True Airspeed and Altitude, Mach number, kilometer, gallons to liters, nautical to statute miles, and a Temperature Conversion Scale. The wind triangle side of the computer provides write-in boxes for conversions from True Course to Compass Heading.

APR’s E6-B8 student pilot computer includes an illustrated instruction manual. PVC plastic, 4 1/2” x 8 3/4” MSRP $18.95
APR’s NEW REVOLUTIONARY E6-B8D Student Pilot Flight Computer

• FEATURES •
Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
Miles and Gallons Scale (Distance)
Off-course & Drift Corrections
Minutes & Hours Scale (Time)
Mach Number Index Window
Slide-Rule Mathematics
Wind Component Grid
Color Coded Conversion Scales
Microset Alignment
Altitude Correction
Fuel Consumption
Density Altitude Factors

• CONVERSIONS •
Minutes to Seconds
True Airspeed
True Altitude
Temperature
Kilometers
Statute to Nautical to Statute Miles

No other student E6-B computer like it!

APR’s STUDENT PILOT WIND TRIANGLE & TIME/SPEED/DISTANCE NAVIGATION COMPUTER features the NEW, exclusive WINDSPEED CURSOR ARM that quickly tells you groundspeed, wind correction angle, and magnetic heading. The new APR Windspeed Cursor eliminates two set-ups and the need to mark dots on the plastic disc. This revolutionary windspeed cursor computer is available only from APR’s aviation dealers. There is no similar computer on the market!!

The E6-B8D calculates all necessary flight planning and en route navigation requirements. Color-coded sawtooth scales are user-friendly and allow for quick, accurate reading. Instructions printed on the computer make learning faster and easier.

The Time/Speed/Distance computer provides all major navigation computations.

Made in USA

The new APR Windspeed Cursor Arm makes solving wind problems a breeze. Simply set your true course, rotate cursor arm to wind direction, and read your wind correction angle and groundspeed. Instructions for Windspeed Cursor set-up are printed on the computer slide.

The flight planning side of the wind triangle slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. The headwind and crosswind component grid depicts the relative wind angle in a multi-color graphic for accurate and easy interpretation. Nautical and Statute scales for Sectional and WAC Charts are printed on the sides of the slide.

Unlike competitors’ student computers made with paper, composite, or fiber board, APR’s E6-B8D computer is made with durable PVC Plastic. 4.5” x 8.75”

MSRP $19.95
APR’s NEW REVOLUTIONARY E6-B8DP Student Pilot Flight Computer

**FEATURES**
- Complete Instruction Manual includes BONUS Section on Dead Reckoning and Wind Effect Theory Calculations.
- Miles and Gallons Scale (Distance)
- Off-course & Drift Corrections
- Minutes & Hours Scale (Time)
- Mach Number Index Window
- Slide-Rule Mathematics
- Wind Component Grid
- Color Coded Conversion Scales
- Microsoft Alignment
- Altitude Correction
- Fuel Consumption
- Density Altitude Factors

**CONVERSIONS**
- Minutes to Seconds
- True Airspeed
- True Altitude
- Temperature
- Kilometers
- Statute to Nautical to Statute Miles

**It’s All You Need To Plan A Flight**

**Bonus NP-8 Training Plotter**

The NP-8 Bonus Training Plotter illustrates how to measure courses on latitude and longitude lines. Four protractor scales and graphic instructions allow you to read courses on the east/west and north/south quadrants and eight scales help to measure statute and nautical distances. The plotter has 1/10" and 1/4" rulers and formulas to determine true course to magnetic course and magnetic course to true course. PVC Plastic 8" x 4"

The flight planning side of the wind triangle slide shows formulae for true course to compass headings as well as illustrated examples of east/west magnetic variation. Also displayed are definitions relevant to wind triangle problems and diagrams of true heading and true course solutions. The headwind and crosswind component grid depicts the relative wind angle in a multi-color graphic for accurate and easy interpretation. Nautical and Statute scales for Sectional and WAC Charts are printed on the sides of the slide.

Unlike competitors' student computers made with paper, composite, or fiber board, APR's student computers are made with durable PVC Plastic. 4.5" x 8.75"

MSRP $22.95

Made in USA
APR’s KC-TSDP NEW EXCLUSIVE Pilot’s Keychain T/S/D Computer

APR’s Time/Speed/Distance keychain computer really works... and we’re not talking about just holding your keys!

APR has meticulously created a miniature Time/Speed/Distance computer that is completely accurate and fully functional. The computer’s top dial rotates to show time / speed / distance to the fix, knots or miles to go, and fuel problem solutions.

And there’s more!!!

In case you don’t file your flight plan before taking off, you can safely and easily use the back side of the keychain computer to guide you through the required sequence once you’re en route.

PVC plastic. 1 3/4” Dia.

MSRP $9.95
Favorable computers of private, commercial, corporate and airline pilots. Wind Triangle T/S/D Computers feature highly visible 4-color discs and include comprehensive instruction manual and vinyl pouch. APR's CR-4 computer is purchased by the U.S. Government for military pilots.

AVAILABLE IN 3 MODELS

CR-3 (Same Size as Jeppesen CR-5) 3-3/4″ Dia. $27.95
CR-4 (Same Size as Jeppesen CR-2) 4-1/4″ Dia. $28.95
CR-6 (Same Size as Jeppesen CR-3) 6.0″ Dia. $29.95

WIND COMPUTATION
The wind-computing side of the apr CR computers applies the latest “state-of-the-art” technology. With this new instrument your pre-flight and in-flight calculations are easier and more accurate. Some of the features on the windside on the CR flight computers are illustrated below.
APR’s NEW REVOLUTIONARY T/S/D Computers with Protractor Plotter

featuring movable plotter cursor arms

**PCA-302**
Anodized Aluminum
MSRP $18.95

**PCP-202**
PVC Plastic
MSRP $15.95

**Time / Speed / Distance**

APR’s Time/Speed/Distance computers are superior because they have been engineered to be more accurate and user-friendly. Multi-colored discs and scales help users to solve problems quickly. All T/S/D scales and graphics are manufactured with high quality printing that allows the user to easily read the smallest figures and numbers on the computer. Instructions to solve several common T/S/D and fuel problems are printed on the face of the computer.

**Key Features:**
- Time/Speed/Distance Computations
- Fuel Consumption Problems
- Conversion-True Airspeed
- Mach Number Conversions
- Conversion-True Altitude
- Statute to Nautical to Statute Conversions
- Kilometer Conversions
- Minutes to Seconds Conversions
- Off-course and Drift Corrections
- Slide Rule Mathematics
- Temperature and Altitude Factors
- Density Altitude
- Instruction Manual with Practice Problems and Solutions

**Protractor Plotter**

APR’s REVOLUTIONARY TIME/SPEED/DISTANCE COMPUTER COMBINED WITH A PLOTTER... AND IT ALL FITS IN YOUR POCKET.

**A TRULY CONVENIENT NAVIGATIONAL AID.**

APR has done it! We have combined a TSD computer with a plotter. It could not be more convenient or easier to use.

The plotter—which is also a protractor—has two rotatable cursors, one with airplanes the other with arrows.

It’s quick and easy to use. Simply align the cursor with the arrows at True North (along any meridian on the chart), then align the cursor with the airplanes along the course line to determine true course at a glance. Or you can align the cursors with the compass rose of a VOR to quickly determine magnetic course.

**THAT’S ALL THERE IS TO IT. IT’S NEVER BEEN EASIER.**
The Time-Speed-Distance computer includes all the features and functions you’ve come to expect from a high-end computer. APR has even included, for example, a temperature rise scale for when you graduate into faster aircraft and need to correct indicated temperature for compression.
APR has done it! We have combined our Time/Speed/Distance computer with our Traffic Pattern Orientator. The 2-in-1 computer could not be more convenient or easier to use. The TRAFFIC PATTERN ORIENTATOR is simply marvelous. All a pilot has to do is dial in the runway in use and – voila! the headings of all legs of the traffic pattern are immediately displayed in the various windows of the computer, including the entry leg. Data are available for both left and right traffic patterns.

Pilots are provided with an instant view of the runway and the traffic pattern, an easy and foolproof way to become and remain oriented. Ever have trouble trying to figure out how to enter a traffic pattern when approaching the airport from various directions? Such problems will be gone forever. APR’s traffic-pattern orientator does exactly what its name implies. It orients the pilot with respect to the runway of intended use.

Also provided is a handy table of light signals in the event of radio failure. (Perhaps you can’t remember them in a pinch; who can?) On the flip side is APR’s popular TIME/SPEED/DISTANCE COMPUTER. It includes all the features and functions you’ve come to expect from a high-end computer. APR has even included a temperature-rise scale for when you graduate into faster aircraft and need to correct indicated temperature for compression.

APR’s unique combination computer is available in either PVC plastic or lifetime anodized aluminum. Both are manufactured in the United States with high-visibility graphics. User-friendly instructions are included with both. The TPP-203 with plastic discs and the TPA-303 with anodized aluminum discs are each 3.75 inches in diameter.
APR EXCLUSIVELY COMBINES THE DENALT PERFORMANCE COMPUTER WITH ITS POPULAR TIME/SPEED/DISTANCE COMPUTER. This computer was developed by the Federal Aviation Administration to replace the Koch Chart for computing altitude-temperature effects on airplane performance. The APR Denalt computer is adapted to airplanes equipped with either fixed or variable pitch propellers.

The Denalt Performance Computer enables a pilot to quickly and easily determine how density altitude erodes takeoff and climb performance. These rapid calculations apply to aircraft with either fixed-pitch or constant-speed propellers.

As far as APR’s popular time/speed/distance computer is concerned, it obviously is the mainstay of navigation and capable of calculating the essentials of pre and in-flight requirements.

APRs unique combination computer is available in either PVC plastic or lifetime anodized aluminum. Both are manufactured in the United States with high-visibility graphics. User-friendly instructions are included for both computers in it’s comprehensive 56 page instruction manual valued at $6.95.

The DAP-204 with plastic discs and the DAA-304 with anodized aluminum discs are each 3.75 inches in diameter.

DAA-304
Anodized Aluminum
MSRP $18.95

DAP-204
PVC Plastic
MSRP $16.95
APR’S NEW EXCLUSIVE

HPC-206 Standard & Non-Standard Holding Pattern Computer

See Your Position in a Glance!

Designed by Capt. Barry Schiff

APR’s Quick-Learn Holding Pattern Computer

Helps you to easily visualize how to enter all Standard and Non-Standard Holding Patterns. By setting the inbound holding course you can immediately read all headings and courses.

Pocket Size Holding Pattern Computer

Shows a pictorial flight path for all holding procedures and provides specific directions for entering any holding pattern. W 3-5/8” x H 5-5/8”

Maximum Indicated Holding Speeds & Inbound Times

Provided on the bottom panel of the computer.

MSRP $14.95

Made in USA
APR’s STATE OF THE ART
NEW! Navigation Plotters

featuring nautical & statute scales with vibrant color graphics and sawtooth graduations for easy and accurate use on World Aeronautical and Sectional Charts

DNP-13

Exclusive Color Graphics

only available from APR

Navigation Protractor Plotters

- Accurately measure course lines
- Plot intended flight course lines
- Clear Tinted Center Panel
- Solve off-course problems
- Determine bearings to and from
- Plot true and magnetic north lines
- Establish flight plan check points
- A Sectional chart side and a WAC chart side
- Easy conversion of statute to nautical, or vice versa
- Superior for use in the cockpit at night
- Creative colored graphics for easier plotter use
- Sawtooth graduations for statute & nautical scales
- Constructed of highest quality PVC plastic
- 4 Protractor Scales on DNP-8 & DNP-13

The DNP-8 New Pocket Navigation Plotter with four protractor scales and fourteen sawtooth color-coded nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. PVC plastic, 8 1/8” x 2 7/8”. MSRP $10.95

APR’s DNP-13 New Compass Rose Plotter features four protractor scales and fourteen sawtooth color-coded nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. PVC plastic, 13 5/6” x 4”. MSRP $12.95

Made In USA
APR’s STATE OF THE ART NEW! Navigation Plotters

featuring nautical & statute scales with vibrant color graphics and sawtooth graduations for easy and accurate use on World Aeronautical & Sectional Charts

Exclusive Color Graphics only available from APR

Navigation Protractor Plotters

- Accurately measure course lines
- Plot intended flight course lines
- Clear Tinted Center Panel
- Solve off-course problems
- Determine bearings to and from
- Plot true and magnetic north lines
- Establish flight plan check points
- A Sectional chart side and a WAC chart side
- Easy conversion of statute to nautical, or vice versa
- Superior for use in the cockpit at night
- Creative colored graphics for easier plotter use
- Sawtooth graduations for statute & nautical scales
- Constructed of highest quality PVC plastic
- Rotatable azimuth compass ring on DNPR-13
- 4 Protractor Scales on DNP-8 & DNP-13

The DNP-8 New Pocket Navigation Plotter with four protractor scales and fourteen sawtooth color-coded nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. PVC plastic, 8 1/8"x 2 7/8". MSRP $10.95

APR’s DNP-13 New Compass Rose Plotter features four protractor scales and fourteen sawtooth color-coded nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. PVC plastic, 13 5/8"x 4". MSRP $12.95

DNPR-13 New Rotatable Azimuth Navigation Plotter with protractor scales and fourteen sawtooth color-coded nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. PVC plastic, 13 5/6"x 4 1/2". MSRP $15.95

Made in USA
APR’s STATE OF THE ART DNPR-13
NEW! Navigation Plotters

featuring nautical & statute scales with vibrant color graphics and sawtooth graduations for easy and accurate use on World Aeronautical and Sectional Charts

Eliminates Resetting the True Course to read Magnetic Course.

The DNPR-13 Deluxe Rotatable Azimuth Navigation Plotter has a high-visibility sawtooth protractor scale and colored sawtooth nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts.

The DNPR-13’s ROTATABLE AZIMUTH makes plotting quicker and easier. Simply place the top plotter edge on the intended course, center the center grommet over a longitudinal or meridian line, and then rotate the compass rose so the north index is aligned with the meridian. Read the course direction on the compass rose at the tail of the arrow pointing in the direction of the flight.

For longitudinal parallel lines, place the top edge of the protractor on the intended course. Rotate the compass rose so that east/west indices are aligned with parallel and read the course direction on the compass rose at the end of the arrow.

PVC Plastic, 13 5/6” x 4”. MSRP $15.95

Navigation Protractor Plotters

- Accurately measure course lines
- Plot intended flight course lines
- Tinted Center Panel
- Solve off-course problems
- Determine bearings to and from
- Plot true and magnetic north lines
- Establish flight plan check points
- A Sectional chart side and a WAC chart side
- Easy conversion of statute to nautical, or vice versa
- Superior for use in the cockpit at night
- Creative colored graphics for easier plotter use
- Sawtooth graduations for statute & nautical scales
- Constructed of highest quality PVC plastic
- Rotatable azimuth compass ring on DNPR-13
- 4 Protractor Scales on DNP-8 & DNP-13

Made In USA
APR’s NAVIGATION PLOTTERS with NAUTICAL & STATUTE SCALES

Precision scales for easy and accurate use on World Aeronautical and Sectional Charts.

Exclusive graphics available from APR!

NP-7 Pocket Navigation Plotter is the best and most economical choice. It has four protractor scales and fourteen nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. Instructions are printed on the plotter. PVC Plastic, 8 1/8" x 2 7/8". MSRP $8.95

NP-13 Navigation Plotter is a time-tested classic navigation instrument that features four precision protractor scales and fourteen nautical and statute scales for Sectional, WAC, and Terminal Charts. Instructions are printed on the plotter. PVC plastic 13 5/6" x 4". MSRP $9.95

NPR-13 Plotter with Rotatable Azimuth Compass Rose is the quick and accurate way to plot, measure, and solve navigation problems. This innovative instrument features precise protractor scales and fourteen nautical and statute scales for Sectional, WAC, and Terminal Charts. Instructions are printed on the plotter. PVC plastic, 13 5/16" x 4 1/2". MSRP $12.95

Protractor Plotters Features

• Accurately measure course lines
• Plot intended flight course lines
• Solve off-course problems
• Determine bearings to and from
• Plot true and magnetic north lines
• Establish flight plan check points
• A Sectional chart side and a WAC chart side

• Superior for use in the cockpit at night
• Top/bottom graduations for statute and nautical scales
• Constructed of highest quality PVC plastic
• Rotatable azimuth compass ring on NPR-13
• 4 Protractor scales on NP-7 & NP-13
• Opaque white backgrounds and creative graphics for easier reading of scales

Made in USA
APR’s LIFETIME GUARANTEED CLASSIC NAVIGATION PLOTTERS

Now you can own the easiest and most accurate plotter available for use on all World Aeronautical & Sectional Charts.

Exclusive graphics available from APR

WSNP-8 Pocket Navigation Plotter is the best in-flight plotter. It has four protractor scales and fourteen nautical, statute, and terminal area scales for Sectional, WAC, and Terminal Charts. Instructions are printed on the plotter. Includes a Lifetime Guarantee. Durable plastic, 8 1/8” x 2 7/8” MSRP $11.95

TIME TESTED!

WSNP-13 Navigation Plotter features four precision protractor scales and fourteen nautical and statute scales for Sectional, WAC, and Terminal Charts. Plotting is easy and accurate when done with an APR plotter. You can rely on your WSNP-13 and it’s guaranteed for a lifetime. Instructions are printed on the plotter and it conveniently stores in your flight case with your charts. Constructed with durable plastic. 13 5/6” x 4”. MSRP $14.95

WSNPR-13 Plotter with Rotatable Azimuth Compass Rose is a top of the line plotter. It features four protractor scales and fourteen nautical and statute scales for Sectional, WAC, and Terminal Charts. This plotter will quickly and accurately plot and solve your navigation requirements and problems. Once you use the WSNPR-13 you’ll be hooked! Instructions are printed on the plotter. Includes a Lifetime Guarantee. Durable plastic, 13 5/16” x 4 ½” MSRP $17.95

Navigation Protractor Plotters

- Accurately measure course lines
- Plot intended flight course lines
- Solve off-course problems
- Determine bearings to and from
- Plot true and magnetic north lines
- Establish flight plan check points
- A Sectional chart side and a WAC chart side

- Superior for use in the cockpit at night
- Top/bottom graduations for statute and nautical scales
- Rotatable azimuth compass ring on WSNPR-13
- 4 Protractor scales on WSNP-8 & WSNP-13
- Opaque white backgrounds and creative graphics for easier reading of scales

Made in USA
APR’s NEW EXCLUSIVE
RAP-2 ROTATING AZIMUTH PLOTTER

The ONLY TOP-SCALE PLOTTER that eliminates resetting the True Course to read the Magnetic Course!

*EXCLUSIVE*
East/West Magnetic Course Variation Scales

**Features:**
- Easiest, fastest and most accurate TOP-SCALE PLOTTER.
- Direct reading to Magnetic course.
- Instructions are printed on plotter.
- Accurate high-visibility graphic scales.
- Nautical side shows Terminal Area and six WAC and Sectional scales and the formula to convert the True Course to Compass Course.
- The Statute side shows six WAC and Sectional scales and the formula to convert the True Course to Compass Course.
- Both sides display scales for Statute and Nautical miles at each end.
- 13-5/16” x 4-1/2”

**Lifetime Guarantee**

Made in USA

MSRP: $14.95
APR’s NEW EXCLUSIVE
DAP-1 ROTATING AZIMUTH PLOTTER

The ONLY TOP-SCALE PLOTTER that eliminates resetting the True Course to read the Magnetic Course!

*EXCLUSIVE*
East/West Magnetic Course Variation Scales

Unique, No Other Plotter Compares!

APR’s New DAP-1 Rotating Azimuth Plotter is the only top scale plotter that has East & West Variation Scales where the True Course is read. The Magnetic Course is read directly opposite the Magnetic Variation Scale.

Features:
- Easiest, fastest and most accurate TOP-SCALE PLOTTER.
- Direct reading to Magnetic course.
- Instructions are printed on plotter.
- Accurate high-visibility graphic scales.
- Nautical side shows Terminal Area and six WAC and Sectional scales and the formula to convert the True Course to Compass Course.
- The Statute side shows six WAC and Sectional scales and the formula to convert the True Course to Compass Course.
- Both sides display scales for Statute and Nautical miles at each end.
- 13-5/16” x 4-1/2”

MSRP: $12.95

Made in USA
APR’s DRFC-L Premier Pocket IFR & RNAV En Route Plotter for Jeppesen & NACO Charts

A color-coded graphic shows parallel, teardrop, and direct entries to standard & non-standard Holding Patterns.

Sawtooth scales for easy and accurate reading!

Features

The Premier DRFC-L IFR Radio Facility Chart Plotter has 13 scales for Jeppesen Radio Facility and NACO Charts. The plotter shows a compass rose for quick course and bearing information and a color-coded illustration for parallel, teardrop, and direct entries to standard and non-standard holding patterns.

Use the plotter’s sawtooth nautical mileage scales to differentiate between graduations. Two slots and two holes make it easy to mark and plot courses on en route IFR charts.

Available scales are as follows:

One inch = 5, 6, 7.5, 8, 10, 12, 15, 16, 20, 30, 38.5, 40, and 48 nautical miles.

An international kilometer to nautical mile conversion scale is printed on the plotter.

Instructions for use are included. Durable plastic, 6” x 3 1/2”. MSRP $12.95

Made in USA
Features

The IFR Radio Facility Chart Plotter has 13 scales for Jeppesen Radio Facility and NACO Charts with a compass rose for quick course and bearing information. The plotter provides guidance for standard (right-hand turns) and non-standard (left-hand turns) holding patterns.

The plotter contains nautical mileage scales, two slots, and two holes for marking and plotting courses on en route IFR charts. Make measurements quickly by determining the scale of the chart to be used (indicated along the edge of the chart) and then select the corresponding mileage scale on the plotter.

Accurately Plots & Measures RNAV routes & determines courses and bearings.

Available scales are as follows:

One inch = 5, 6, 7.5, 8, 10, 12, 15, 16, 20, 30, 38.5, 40, and 48 nautical miles.

An international kilometer to nautical mile conversion scale is printed on the plotter.

Instructions for use are included.

PVC plastic, 6" x 3 ½". MSRP $10.95
APR’s NEW JNP Plotter for IFR & RNAV
En Route Radio Facility Charts
for U.S. NACO and Jeppesen charts

Best radio facility plotter made! Check it out!

available only from APR

THE APR JNP PLOTTER IS DESIGNED USING PRECISION GRAPHICS FOR ACCURACY. SEE THEM AT YOUR PREFERRED APR DEALER.

APR’s NEW IFR RNAV FACILITY CHART PLOTTER for U.S. NACO and Jeppesen charts is designed by pilots for pilots. APR’s JNP has nautical mile scales for all on route IFR RNAV charts. An international kilometer-to-nautical mile conversion scale is included.

Accurately configured precision scales are quickly and easily found.

The scales are as follows:
One inch = 5, 7, 7.5, 8, 10, 12, 14, 5, 16, 20, 23, and 31.

Plotting and reading meridian courses is easier with the JNP’s parallel lines.

The JNP features 12 easy-to-read scales, entry diagrams for standard and non-standard holding patterns, and two compass rose plotters, which can be used to plot and measure RNAV routes. The 1=10 scale also may be used as a ruler.

APR’s exclusively designed IFR RNAV Plotter shows standard and non-standard holding patterns and the entries from parallel, teardrop, or direct flight quadrants.

The centerline of the plotter contains two bold arrows that help to determine magnetic course. Made from durable plastic, 8 ¾” x 3 ¼”.

MSRP $12.95

Made in USA
APR’s DJNP Plotter for IFR & RNAV
En Route Radio Facility Charts
for U.S. NACO and Jeppesen charts

Best radio facility plotter made! Check it out!

EXCLUSIVE COLOR GRAPHICS
available only from APR dealers

THE DJNP PLOTTER IS DESIGNED BY PILOTS FOR PILOTS

APR’s NEW IFR RNAV FACILITY CHART PLOTTER for U.S. NACO and Jeppesen charts is designed with creative user-friendly colored graphics. APR’s DJNP has nautical mile scales for all en route IFR RNAV charts. An international kilometer-to-nautical mile conversion scale is included.

Accurately configured precision scales are easy to find. The scales are as follows:

One inch = 5, 7, 7.5, 8, 10, 12, 14, 5, 16, 20, 23, and 31.

DJNP's parallel lines helps you to quickly Read and Plot meridian courses.

The DJNP features 12 easy-to-read, sawtooth scales, entry diagrams for standard and non-standard holding patterns, and two compass rose plotters, which can be used to plot and measure RNAV routes. The 1=10 scale may also be used as a ruler.

APR’s exclusive color-coded graphics show standard and non-standard holding patterns and entries from parallel, teardrop, or direct flight quadrants.

The centerline of the plotter contains two bold arrows that help to determine magnetic course. Lifetime Guarantee. Made from durable high stress plastic. 8 ¾” x 3 ¼”. MSRP $14.95

Made in USA
Universal IFR & RNAV En Route Plotter
UIP-L & UIP-V models for Jeppesen & NACO Charts

Standard & Non-Standard Holding Patterns
show Parallel, Teardrop and Direct Entry.

Primary Features

IFR Radio Facility Chart Plotters with 12 scales for
Jeppesen Radio Facility & NACO Charts with opposing
compass rose plotters. The plotter also illustrates
standard (right-hand turns) and non-standard (left-hand
turns) holding patterns for parallel, direct and teardrop
entries.

These plotters contain 12 mileage scales (in nautical
miles) for en route IFR charts. Determine the scale of the
chart to be used (indicated along the edge of the chart)
and then select the corresponding mileage scale on the
plotter.

Available scales are as follows:
One inch = 5, 7.5, 10, 15, 20, 25, 30, 35, 40, 60, 80, and
100 nautical miles.

An international nautical mile to kilometer conversion
scale is printed on the plotter.
8 1/2" x 3 1/4"

Available models: UIP-L Lifetime & UIP-V PVC plastic

Accurately Plots and
Measures RNAV Routes
and Determines Courses
and Bearings.
APR’s **DCPP-5** & **CPP-5** INTERNATIONAL PROTRACTOR & PARALLEL RULE PLOTTERS

Navigate accurately and easily!

**CPP-5**

APR’s Douglas International Navigation Combination Protractor and Parallel Rule Plotter includes operating instructions to lay out a course bearing, use as a parallel rule, find departure or latitude between two positions, find magnetic course or bearing from true, and to plot lines of position.

WAC/ONC 1:1,000,000 VIS/TERM 1:250,000 Scales. PVC plastic 5” x 5”

MSRP $6.95

**DCPP-5**

For $1.00 more you get a lot more plotter!

APR’s NEW DCPP-5 Douglas International Color-Enhanced Navigation Combination Protractor and Parallel Rule Plotter has additional advantages for pilots and seamen as well. The DCPP-5 is designed with high visibility color graphics, a tinted grid, and larger numbers and lines for easier positioning and accurate reading. This plotter eliminates the need to use dividers and parallel rulers. A hole in the center of the instrument is used to conveniently mark and rotate the plotter. Also included are complete operating instructions with examples to lay out a course or bearing, read the course bearing, use as a parallel rule, find departure or latitude between two positions, find magnetic course or bearing from true course, and to plot lines of position.

WAC/ONC 1:1,000,000 VIS/TERM 1:250,000 Scales, PVC plastic 5” x 5”

MSRP $7.95

Made in USA
APR’s WAC / Sectional, International, Atlantic Chart Plotters

PLU-2C Plotter
Scales in Nautical Miles for Charts
Using Standard Parallels of 37° & 65°.
Includes 1:100,000 / 1:2,000,000
1:1,000,000 Scales
13 5/16" x 4 1/2" MSRP $9.95

ICP-9 Plotter
International Navigation Atlantic Chart Plotter.
Scale 1" = 120 nm with high visibility color-coded transparent sawtooth protractor scales,
marking holes at 423 nm/60 minutes and 832 nm/120 minutes. True track and compass heading formulas for
use on North Atlantic plotting charts.
Durable PVC plastic, 9" x 4".
MSRP $10.95

IP-13 ICAO Plotter
International Fixed Azimuth Navigation Protractor Plotter
13-5/16" x 4-1/2"
MSRP $14.95

Transparent Colors
Kilometer Side White Nautical Side Yellow.
WAC / ONC 1:1,000,000
Sectional 1:500,000
Terminal 1:250,000
nm/km Scales.

MARK 2 FAA-170
Air Navigation Plotter with Offset Protractor
NSN 6605 00 693 8388
Durable Plastic, 13-15/16" x 4"
Statute with outer end scales for Sectional and WAC Charts.
Meets FAA & military specifications.
MSRP $12.95

Made in USA
APR’S EXCLUSIVE PFD-1 Pilot’s Folding Flight Desk

IFR & VFR
information at your finger tips!

APR’S PFD-1 PILOT’S FOLDING FLIGHT DESK, first designed and introduced by APR Industries, puts essential VFR and IFR information right at your finger tips. The VFR side, with the small bear clip, holds flight logs and approach plates while the larger bear clip on the IFR side opens to 1” and is designed to hold aeronautical charts and radio facility approach books. Non-slip foam on the underside of the board helps to hold flight desk securely in place. APR’s PILOT’S FLIGHT DESK is the best available! Made with lifetime Anodized aluminum, .050”. Open size: 16” x 9”. Folds to: 8” x 9”

MSRP $29.95

Made in USA
APR’S SUPERIOR 0-100 & 0-150 Pilot’s Compact VFR Flight Organizer

Flight Log Pad includes - front and back sample sheets.

APR’s 0-100 VFR & 0-150 IFR FLIGHT ORGANIZERS aid pilot’s pre-flight planning and in-flight with graphically displayed, neatly organized essential flight information. The flight organizers are designed by pilots for pilots. The clip at the top holds and organizes flight plans, charts, maps, and approach plates. The kneeboard manually rotates to your best viewing and writing position. An adjustable strap assures a comfortable fit. Manufactured in the USA with lifetime anodized aluminum, 8 ¾"x 5 7/8".

0-100 VFR FEATURES
- Flight Plan Sequence
- In-flight Weather
- VFR Visibility & Distance from Clouds
- Communications
- Standard Time Zones
- Special Equipment Suffix
- Tower Light Signals
- Phonetic Alphabet
- Cruising Altitude VFR
- Transponder with Mode C MSRP $15.95

Train right for safe flight!

0-150 IFR FEATURES
- Flight Plan
- Special Equipment Suffix
- VFR Visibility & Distance from Clouds
- Holding Pattern
- Mag Compass Error
- IFR Checklist Aid
- IFR Non-Radar Only
- IFR Required Reports
- Position Report
- Radio Failure
- Alternate (Flight Planning)
- VOR Accuracy Check
- In-Flight Weather MSRP $15.95
APR’s NEW P-VFR PILOT’S PRO FLIGHT KNEEBOARD

APR’s NEW P-VFR PRO FLIGHT KNEEBOARD aids pilots in pre-flight planning and in-flight with graphically displayed, neatly organized essential flight information.

The Pro Flight kneeboards are designed by pilots for pilots. The large clip at the top opens to 1” to hold and organize flight plans, charts, maps, and approach plates or book.

The kneeboards manually rotate on either leg to your best viewing and writing position. An adjustable strap assures a comfortable fit. Manufactured in the USA with lifetime durable anodized aluminum, 9 1/2” x 6 3/8”. MSRP $16.95

FEATURES
- Flight Plan Sequence
- VHF Communication Frequencies
- Tower Light Signals
- Special Equipment Suffix
- Phonetic Alphabet
- Standard Time Zones
- In-flight Weather
- Transponder with Mode C
- Cruising Altitude VFR
- VFR Visibility and Distance from Cloud Requirements

VFR-100 Flight Logs MSRP $4.95
IFR-200 Flight Logs MSRP $4.95
APR’s NEW P-IFR PRO FLIGHT KNEEBOARD aids pilots in pre-flight planning and in-flight with graphically displayed, neatly organized essential flight information.

The Pro Flight kneeboards are designed by pilots for pilots. The large clip at the top opens to 1” to hold and organize flight plans, charts, maps, and approach plates or book.

The kneeboards manually rotate on either leg to your best viewing and writing position. An adjustable strap assures a comfortable fit. Manufactured in the USA with lifetime durable anodized aluminum, 9 1/2” x 6 3/8” MSRP $16.95

**FEATURES**
- Flight Plan
- Special Equipment Suffix
- IFR Checklist Aid
- MAG Compass Error
- In-flight Weather
- IFR Non-Radar Only
- IFR Required Reports
- Radio Failure (Squawk 7600)
- Holding Pattern
- VOR Accuracy Check
- Position Report
- Alternate Requirements
- VFR Visibility and Distance from Cloud Requirements
APR’s New P-VFR & P-IFR PRO FLIGHT KNEEBOARDS aid pilots in pre-flight planning and in-flight with graphically displayed, neatly organized essential flight information. The Pro Flight kneeboards are designed by pilots for pilots. The large clip at the top opens to 1” to hold and organize flight plans, charts, maps, and approach plates or book. The kneeboards can be manually rotated on either leg to your best viewing and writing position. An adjustable strap assures a comfortable fit. Manufactured in the USA with lightweight, lifetime durable anodized aluminum, 9 1/2” x 6 3/8”.

**P-VFR**
- Flight Plan Sequence
- VHF Communication Frequencies
- Tower Light Signals
- Special Equipment Suffix
- Phonetic Alphabet
- Standard Time Zones
- In-flight Weather
- Transponder with Mode C
- Cruising Altitude VFR
- VFR Visibility and Distance from Cloud Requirements

**P-IFR**
- Flight Plan
- Special Equipment Suffix
- IFR Checklist Aid
- MAG Compass Error
- In-flight Weather
- IFR Non-Radar Only
- IFR Required Reports
- Radio Failure (Squawk 7600)
- Holding Pattern
- VOR Accuracy Check
- Position Report
- Alternate Requirements
- VFR Visibility and Distance from Cloud Requirements

MSRP $16.95
APR's MK-2A/C is a military pilot's kneeboard. The kneeboard is contoured to comfortably fit either leg with foam pads that prevent movement. The quick-release buckle on an elastic adjustable leg strap allows quick and easy removal.

The kneeboard has two heavy-duty clips that open to 1” to hold flight plans, charts, maps, or an approach plate book. A pilot's name panel is at the top of the board. The MK-2A/C has two pencil holders: one at the top, angled for quick pick-up to write clearances, and a spare on the side of the board.

The kneeboard comes with a pad of en route IFR flight logs that show example log sheets. VFR and IFR logs are available for purchase. Lifetime, non-glare anodized aluminum, 9 ¾” x 5 3/8”.

MSRP $49.95

VFR-100 Flight Logs MSRP $4.95

IFR-200 Flight Logs MSRP $4.95
APR’s HIGH VISIBILITY MXU-163/P Lighted Omni Kneeboard

Designed to pilot’s requirements!

Fly Like the Pros with a Top of the Line Kneeboard!

APR’s MXU-163/P is a precisely engineered all-metal military pilot’s kneeboard. The MXU-163/P is designed to meet all requirements of the professional pilot. The light has adjustable intensity that evenly illuminates the board’s surface. The contoured base comfortably fits either leg with foam pads that prevent movement and a quick-release buckle on a wide elastic adjustable leg strap provides stability and quick release removal. The kneeboard’s top and bottom clips open to 1” to hold flight plans, charts, maps, or an approach plate book. The MXU-163/P has two pencil holders: one at the top, angled for quick pick-up to write clearances, and a spare on the side of the board. The kneeboard comes with a pad of VFR en route flight logs and an example log showing step-by-step instructions. VFR and IFR flight logs are available for purchase. Batteries not included.

Lifetime, non-glare anodized aluminum, 5 ½” x 10 1/2” x 2 ½”.

MSRP $99.95
Fly with the best equipment!

APR's MK-9 is a light-weight, heavy duty pilot's kneeboard. It is contoured to comfortably fit either leg with foam pads that prevent movement. A velcro® closure on an elastic adjustable leg strap allows for quick and easy removal. The kneeboard has a swivel arm big bear clip that opens to 1” to hold flight plans, charts, maps, or an approach plate book. The MK-9 has a pencil holder on the side of the board. The kneeboard comes with a pad of VFR en route flight logs that show VFR example log sheets and instructions. IFR logs are also available for purchase. Lifetime construction, non-glare anodized aluminum. 9” x 5 3/8”.

VFR-100 Flight Logs MSRP $4.95

IFR-200 Flight Logs MSRP $4.95

MSRP $39.95
Safe pilot techniques are essential. Use APR’s new Flight Checklist Holder - the same type used by private, corporate, airline, and military pilots. The unit includes an 8ft. parchment scroll that allows you to design and customize your specific checklist in your preferred sequence for several aircraft. An adjustable bracket lets you position the checklist for best viewing angle. The checklist holder can be permanently attached to the aircraft or carried in your flight case and it can be configured for left or right hand use.

APR’s unique color band system isolates the item being checked and allows review of the next and previous items on your checklist. Variable back lighting with rheostat dimming control provides for optimal reading under all conditions. Molded high impact plastic.

NSN 1680-00-489-1313  5” x 4” x 1.5”

FLIGHT CHECKLIST HOLDER Models:  FCL-12 (12 volt)  FCL-24 (24 volt)
Specify 12 volt or 24 volt system  MSRP $ 99.95
Parchment 8’ - MSRP $9.95
Custom designed placards and other items printed on metal and plastic are also available!

Now you can customize your cockpit with easy-to-apply identification placards. Just cut out and press these stick-ons into place for that "factory-fresh" cockpit look. Over 250 pressure-sensitive (stick-on) aluminum placards for all cockpit switches, circuit breakers, systems, amps, volts, arrows, blanks, numbers, etc. Most common phrases are repeated several times (i.e. On/Off). Sheet measures 8 1/2" x 10 1/2". Just cut and press into place.

Aluminum Foil Placards

AP-1 MSRP: $14.95
APR’s PILOT ACCESSORIES
FLIGHT DESK PLACARDS

Convert any clipboard or notebook into a customized flight desk - instantly!

+ Long-Life Aluminum Placards.
+ Pressure Sensitive Backing.
+ No Rivets, Tape or Glue Needed.

APR Flight Desk Placards can be added to any kneeboard, flight desk or yoke board to update it with important IFR or VFR information. Just peel off backing and stick on!

Both the VFR and IFR placard feature tower light signals, phonetic alphabet, flight plan sequence, special equipment suffixes, transponder codes, engine failure checklist and cruising altitudes.

IFR placard also includes position report format and mandatory reporting points.

VFR placard adds basic VFR weather minimums. Each placard (IFR or VFR) is available in two convenient sizes—or cut with heavy scissors to fit odd-sized desks, kneeboards, clipboards, etc.

Made in USA

MSRP $8.95
APR’s ANBG BOLT GAUGE AND CONVERSION SCALE

Pocket size stows easily in flight case or toolbox!

Size: 8 1/8” x 1 15/16” x .020”

APR’s combination ANGB BOLT GAUGE CONVERSION SCALES is a necessary tool for pilots, mechanics, aircraft owners, and anyone who uses AN Bolt hardware. This pocket-size gauge is manufactured with PVC Plastic.

Measures AN Bolt sizes from 3 1/16” to 1/2” in diameter up to 8” in length

CONVERSIONS
- Fractions to Decimals
- Fractions to Millimeters
- Decimals to Fractions
- Decimals to Millimeters
- Millimeters to Fractions
- Millimeters to Decimals

The conversion scales list fractions in increments of 1/6” from 0 to 1 inch (64 entries). Alongside each fraction are the decimal and millimeter equivalents. The bottom of the conversion scales shows the mathematical formulae for converting millimeters to inches, and inches to millimeters. Each side of the gauge has precision 8 inch and 20.5 centimeter rulers. 8 1/8” x 1 15/16” x .020” MSRP $6.95

Maintain Your Plane Right for Safe Flight!
APR’s NEW DANBG BOLT GAUGE and CONVERSION SCALES

Conversion Scales

APR’s innovative combination AN BOLT GAUGE with 388 quick CONVERSION SCALES and rulers is a must for pilots, mechanics, aircraft owners, and anyone who uses AN Bolt hardware. This pocket-size tool is manufactured with high-stress vinyl and is the only AN Bolt Gauge combined with conversion scales and rulers.

Size: 8 5/8” x 2 1/2” x .040”

Color-coded AN Bolt Gauge accurately measures AN Bolt sizes from 3/16” to 1/2” in diameter and up to 8” in length. Graphic instructions eliminate errors to help you quickly determine the correct bolt size.

Take a Quick Look at these 388 Precise Conversion Scales

CONVERSIONS
• Fractions to Decimals
• Fractions to Millimeters
• Decimals to Fractions
• Decimals to Millimeters
• Millimeters to Fractions
• Millimeters to Decimals

The conversion scales list fractions in increments of 1/6” from 0 to 1 inch (64 entries). Alongside each fraction are the decimal millimeter equivalents. The bottom of the conversion scales shows the mathematical formulae in one thousandths of an inch for converting millimeter to inches and inches to millimeters. Each side of the gauge has precision 8 inch and 20.5 centimeter ruler.  MSRP $8.95

Maintain Your Plane Right for Safe Flight!
APR’s NEW **AN BOLT LENGTH GAUGE**
with fraction & decimal conversion scale and Centigrade & Fahrenheit formulas

**Aircraft Mechanics’ Choice!**
and for pilots who do repairs on their airplane

The APR AN Bolt Length Gauge accurately shows the proper length of the AN Bolt required when original bolt lengths are unknown and helps to choose the proper length for new holes drilled during installations. The AN Bolt Length Gauge shows 5 lengths for each of the 8 AN Bolts starting at 1/8” through 7-7/8” in increments of 1/8” (a total of 275 sizes)

AN Bolts and Proper Installation are Required by FAA Regulations

To find the length of the AN Bolt rotate the top disc of the computer until the material thickness is shown in the top selector window. To the left of the window find the AN Bolt diameters (AN-3 bolt is 3/16", AN-4 is 4/16" diameter etc.) Select the bolt length in the window opposite the desired bolt diameter to be used.

The selector window shows the proper length when using two thick flat washers. If two thin or one thick flat washer is used, reduce the bolt length one size. If material thickness is in 1/16", 1/32" or 1/64" round to the nearest 1/8”

Available in 2 sizes:

- **4” ABLG-4** MSRP $9.95
- **6” ABLG-6** MSRP $10.95

Shown above is model ABLG-6
APR’s NEW AN BOLT GAUGE KIT
features AN Bolt Gauge & AN Bolt Length Gauge
for Pilots and A & P Mechanics

FAA Regulations require proper installation of AN Bolts

Aircraft Mechanics’ Choice!
The APR AN Bolt Length Gauge accurately shows the proper length of the AN Bolt required when original bolt lengths are unknown and helps to choose the proper length for new holes drilled during installations. The AN Bolt Length Gauge shows 5 lengths for each of the 8 AN Bolts in increments of 1/8” (a total of 275 sizes).

The selector window shows the proper length when using two thick flat washers or two thin ones or one thick flat washer.

4” ABLG-4K MSRP $17.95
6” ABLG-6K MSRP $19.95
Safe Flight through Better Training!

END OF CATALOG