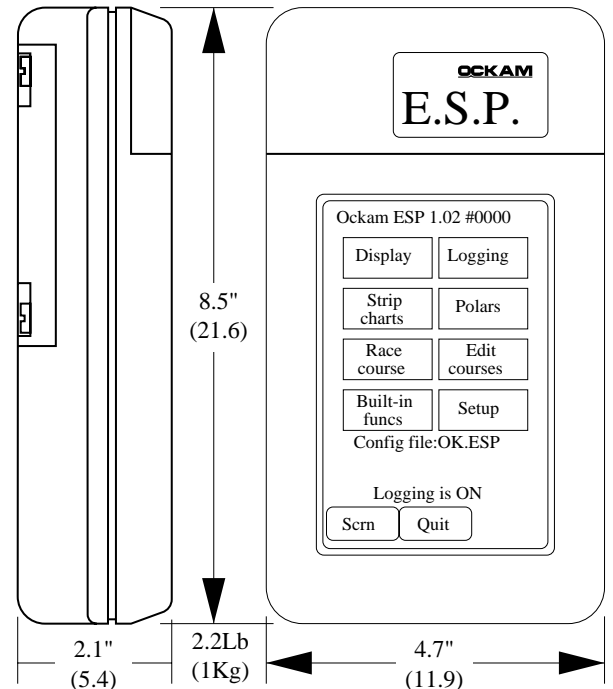


Ockam ESP on-deck tactical computer

The Ockam ESP is an on-deck, hand-held, weatherproof computer with a touch screen display running a new version of OckamSoft performance software. The Ockam ESP is a sealed "PC", called the TouchPC, with a backlit touch screen display, about 5 inches by 3 inches. The new version of OckamSoft has been created for the touch screen display, providing the same performance, strategic and tactical solutions for the racing sailor as our standard laptop version of OckamSoft, which was utilized by many of the teams in the last America's Cup, including: Team New Zealand, Stars & Stripes, OneAustralia, Nippon Challenge and Sydney 95



ESP Features

- Simple touchscreen operation.
- On-the-rail operation in all weather, with adjustable backlighting for night use.
- Racecourse provides times to pin, committee boat, starting line intercept and both laylines (all corrected for current and acceleration), heading, current, range & bearing to next mark and next leg apparent wind and course.
- Stripchart displays any 6 of about 50 linear instrument or calculated variables versus time ranging from 5 minutes to 2 hours in length. Data smoothing can be adjusted, and the mean value is calculated, plotted and displayed.
- Built-in functions calculate up to 9 functions to be displayed, plotted and output to instrument displays. The functions include: Polar Speed, Target Speed and Angle, Wally target deltas, fastest course (Vmc Course), Course to Steer, Next Leg Course, Downwind Courses, Earth True Wind, Average True Wind, Wind Weight, Effective True Wind Speed and Cross Track Error.
- Options, Resets, Averages, Cals and Command functions allow the ESP to control the instrument system from on deck.
- Magnum control provides one keystroke control of all Magnum displays, setting them to 1 of up to 6 operator-defined setups (e.g. Prestart, Upwind, Downwind &c). Each Magnum may also be individually controlled as to function, text line and lighting level.
- ESP controls include Position and Waypoint setting, Racecourse editing, Waypoint source for the instrument system, Wind Weight, DR percent, Magnetic Variation, Wind averages, Waypoint autoswitch, Polar curve file and Variable definition.

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- Display shows any 12 of more than 60 instrument and calculated functions.
- Logging allows up to 12 of more than 60 instrument and calculated variables to be recorded in spreadsheet compatible form for later analysis and graphing.
- Polar download automatically retrieves a polar file from an Ockam Polar Module if no polar file has been supplied with the ESP.

ESP includes

- TouchPC handheld computer
- OckamSoft ESP software including Setup, Conversion, Data transfer and Polar manipulation routines, and a sample Polar file
- Operation manual
- 25 foot deck cable with waterproof connectors
- 20 foot ship cable with deck connector including mounting plate, and DB9 connector for attaching to the 050 RS-232 interface (not supplied)
- Ships power to 9 volt power converter
- 012PS AC charger *maintains ESP battery while not attached to system*
- Adapter cable that allows the ESP to be connected to a PC for data transfer

Suggested list price..... \$4,595

Optional extras

- 050 RS-232 interface (required) *connects ESP to instruments*..... \$1,045
- 037P Polar VPP run (recommended) *provides boat performance data* \$575
- 012POUCH Carrying pouch *prevents accidental activation during storage* \$100
- 012BKT On-deck mounting bracket \$95
- 012C Replacement deck cable..... \$250