

GPSMAP 230



The Home Theatre Of GPS Chartplotting

The new GARMIN GPSMAP 230 offers boaters advanced GPS performance on a 7.1" diagonal, track up display that's sure to set the standard for big-screen chartplotting. Add in simple, menu-driven operation, G-chart cartography with seamless Navionics charts, and a powerful, 12 parallel channel GPS receiver, and you've got a powerful navigator that's ideal for serious offshore use.

The GPSMAP 230 also boasts a set of impressive navigation features like user-selectable data fields, simple, 'point and shoot' waypoint and route creation, fuel and trip planning, and GARMIN's exclusive TracBack™ automatic track log navigation. It even comes complete with a surface/flush mount bracket that makes installation a snap — in the bulkhead or at the helm. Put it all together, and it's easy to see why the GPSMAP 230 is the biggest thing to hit marine electronics in years.

12 parallel channel receiver tracks and uses up to 12 satellites for fast, accurate positioning.

Simple, menu-driven operation with 'point and shoot' creation of waypoints and routes.

7.1" diagonal, cold cathode fluorescent lamp (CCFL), 4-level gray display with crisp graphics and track up plotting with full-featured zooming and panning capability.

Graphic highway provides steering guidance with user-selectable data fields and waypoint display options.

Built-in worldwide GARMIN database, with optional G-chart™ inland water or Navionics® offshore cartography.

Exclusive TracBack™ feature lets you quickly navigate a track log back to port without manually entering waypoints.



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Navigation Features

Waypoints:

Total: 250 alphanumeric
Nearest: 9 (automatic)
Proximity: 9 (definable)

Routes:

20 reversible with up to 30 points each, plus MOB and TracBack™ modes

Track Log:

Approx. 2,000 points

Map Datums:

106

Coordinates:

Lat/Lon, UTM/UPS, plus 7 grids, including Maidenhead

Performance

Receiver:

Differential-ready 12 parallel channel receiver tracks all satellites in view

Acquisition Times:

Warm: Approx. 15 seconds
Cold: Approx. 45 seconds
AutoLocate™: Approx. 5 minutes

Update Rate:

1/second, continuous

Accuracy:

Position*: 15 meters (49 feet) RMS
1-5 meters (3-15 feet) RMS with GARMIN GBR 21 DGPS receiver (optional)

Velocity: 0.1 knot RMS steady state

Dynamics:

6g's

Interfaces:

NMEA 0180, 0182, 0183 and RTCM 104 DGPS corrections

Antenna:

GA 28 Remote Marine Mount with 30' cable

Plotter/Moving Map Features

Database:

Built-in basemap to 64 nm (32 nm U.S.) with coasts, rivers, lakes, political boundaries, plus major cities and highways

Data Cartridges:

G-chart™ cartridges with inland water and Navionics offshore cartography for seamless, detailed mapping and worldwide coverage (optional)

Plotting Scales:

1/8 to 4096 nm with dedicated push-button zoom control

Physical

Size:

7.55" H x 7.7" W x 2.6" D
(19.1 x 19.6 x 6.6 cm)

Weight:

Less than 2 lbs. (.907 kg)

Display:

7.1" diagonal (18.4 cm) high-contrast, 4-level gray LCD with backlighting (160 x 240 pixels)

Case:

Fully gasketed, high-impact plastic alloy

Temp. Range:

5° F to 158° F (-15° C to 70° C)

Power

Source:

10-40v DC

Usage:

10 watts max.

Accessories

Standard:

GPSMAP 230 Chartplotting Receiver
Remote Antenna with 30' Cable
Power/Data Cable
User's Manual
Surface/Flush Mount Bracket with Knobs
Quick Reference Guide

Optional:

PC Kit
G-chart™ Cartography Cartridges
Beacon Receiver for Differential Corrections

Specifications are subject to change without notice.

* Subject to accuracy degradation to 100m 2DRMS under the United States Department of Defense imposed Selective Availability Program.

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