

GPSMAP 175



Full-featured, Handheld Chartplotting with Worldwide Digital Cartography

The GARMIN GPS 175 puts the power of digital chartplotting in the palm of your hand. But don't let the compact size fool you. What you get is a 12-channel GPS, plus features previously only available on a large, fixed-mount plotter.

GARMIN's exclusive user-friendly operating software makes this navigation wonder a real joy to use. Featuring a resettable trip odometer, TracBack™ routing, built-in simulator, advanced fuel and trip planning, point-to-point distance and bearing calculations as well as arrival, crosstrack, clock, timer and anchor alarms, the GPSMAP 175 gives you a fist full of navigation power. Couple all of this with a large, 4.1 inch diagonal, backlit display and you have a GPS system that will take you anywhere in the world with GARMIN G-chart™ digital offshore and inland cartography.

PhaseTrac12™ receiver continuously tracks and uses up to 12 satellites simultaneously for fast, accurate positioning.

GARMIN G-chart™ inland-water and offshore cartography and an improved built-in basemap provide seamless coverage anywhere you go.

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

3-D graphic highway steering guidance with user selectable view range.

Large, electroluminescent backlit, gray-scale (4-level) LCD display with crisp graphics and moving map plotting with full-featured zooming and panning capabilities.

GPSMAP 175

Navigation Features

Waypoints:

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

Routes:

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

Map Datums:

Over 100

Performance

Receiver:

12 parallel channel, differential-ready, continuously tracks and uses up to 12 satellites to compute and update position

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

Plotter/Moving Map Features

Database:

Built-in detailed basemap to 32 nm (U.S.) with rivers, lakes, coastlines, 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 push-button zoom control

Physical

Size:

7.6" H x 2.9" W x 2.1" D
(19.3 x 7.4 x 5.3 cm)

Weight:

1.4 lb. (635g)

Display:

4.1" diagonal (10.4 cm) high-contrast, 4-level gray LCD with backlighting (160 x 240 pixels)

Case:

Waterproof tested, dry nitrogen filled

Temp. Range:

5° F to 158° F (-15° C to 70° C)

Power

Source:

6-40v DC or 6-AA's

Usage:

1.5 watts max. — battery life up to 10 hours

Accessories

Standard:

GPSMAP 175 Chartplotting Receiver
Owner's Manual
Quick Reference Guide
6-AA Battery Pack
Carrying Case
Wrist Strap

Optional:

G-chart™ Cartography Cartridges
GA 27 Low Profile Remote-Mount Antenna
Power/Data Cable
PC Interface Kit
Mounting Bracket
Cigarette Lighter Adapter
Ni-Cad Battery Pack
110vAC Charger
Beacon Receiver for DGPS 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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