

DINTELGID

GARMIN 100 AVD GPS FEATURES:

The GPS 100 represents a portable navigation unit that is versatile, extremely accurate and easy to use. The GPS 100's rugged construction and quality components offer the reliability demanded by the harshest operating environments. It may be used in marine, aviation and land vehicles as well by hunters, hiker, and military forces. The unit may be operated portably using its own battery pack, or may it use a 12 v or 24 v external power source for fixed mounted applications. You can even use a 115 v or 230 v battery charger for planning trips at home.

The GPS 100 provides a host of powerful capabilities which were previously unavailable or found only in much larger and more expensive systems.

- **Performance:** State of the Art MultiTrac receiver tracks up to eight satellites while providing high receiver sensitivity, fast first fix, and continue navigation updates.
- **Portability:** Goes where you go on land, sea, or in the air. The built-in simulator allows to plan your next trip or hone your navigation skills at home or in your office.
- **Navigation:** Illuminated keypad and display provide the navigation information you need at a glance. The GOTO function sets an instantaneous course to the waypoint of your choice. The AutoStore function helps you build routes as you go. A flashing Message Annunciator and an audible message tone keep you fully informed of your navigation status.
- **Personalized:** Configure your unit the way you like by selecting nautical units, Course Deviation Indicator (CDI) sensitivity, keypad and display features, map datums, and interface options.
- **Low Power Consumption:** Battery Saver operation, which draws less than 250 milliamps of current, provides 14 hours of continuous operation with 6 AA size alkaline batteries. The QuickFix mode provides on demand position fixes in as little as 15 seconds and over 100 hours of battery life at four fixes per hour.
- **Trip Planning:** Analyze distance, time, and fuel requirements for your trip. Compute the time of sunrise and sunset at your destination. Calculate density altitude before you take off, and true airspeed as you fly. Vertical navigation guides you to your cruise altitude and puts you in the traffic pattern before landing.
- **Multipurpose Alarms:** Dual alarm clocks and timers allow the GPS 100 watch the clock for you. Arrival, anchor drag, CDI, and hazard alerts help you safely navigate your craft.
- **Offset Navigation:** The offset navigation feature allows you to traverse your route a fixed distance left or right from a defined course.
- **Interfaces:** Interface with marine or aviation autopilots and graphical plotters, Download waypoints and routes to your PC for permanent record.

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PHYSICAL SPECIFICATIONS:

Case: Splash and corrosion proof

Size: 6.25" w x 3.95" d x 2" h (159 mmX 100 mm x 51 mm)

Weight: 25 Ounces (0,71kg) with AA battery pack. 28 Ounces (0.80kg with rechargeable battery pack)

Power:

Input: Rechargeable battery pack. Alkaline battery pack (6 AA size) 10-33V DC with power cable. 115V or 230V with battery charger.

Current: 245 milliamps in normal mode using batteries (445 milliamps with full backlightning); 155 milliamps in Battery Saver mode when using batteries (355 milliamps with full backlightning); 145 milliamps when using 12V DC external power (265 milliamps with full backlightning).

ENVIRONMENTAL:

Temperature: -15°C to +70°C operating.
-40°C to +70°C storage.

Humidity: 95% non-condensing.

PERFORMANCE:

Receiver: MultiTrac, tracking up to 8 satellites.

Adquisition Time (typical): 2Minutes 2D, 2.5 minutes 3D, 15 Seconds QuickFix.

Update Rate: Once per second, continuously.

Accuracy: Position 15 meters (49 ft) RMS. Velocity 0.1 knots RMS steady state.

Dynamics: 695 knots velocity, 3G dynamics.

INTERFACES:

NMEA 0180, NMEA 0182, NMEA 0183 with BWC, GLL, RMB, RMC, R00, WPL and XTE AVIATION (proprietary), PC download.