

**WITH WAAS**  
for even greater accuracy



The Garmin GPS 16A delivers precise position reporting for agricultural applications such as yield monitoring so you can pinpoint areas in a field that may require additional fertilizer

## Rugged GPS receiver for ag applications

or other treatment. The 12-channel receiver allows for continuous tracking of all visible satellites. And it's WAAS-capable for better position accuracy. This GPS sensor consists of an integrated antenna housed in a rugged, waterproof design. It includes a Teflon™-jacketed cable for resistance to agricultural chemicals, sun and the elements.





specifications

**Electrical**

**Input voltage:** Unregulated 8-40v  
**Input current:** 65 mA @ 12v DC  
28 mA @ 40v DC

**Sensitivity:** -165 dBW minimum

**GPS performance**

**Receiver:** WAAS-enabled, 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position

**Acquisition times:**\*

**Reacquisition:** Less than 2 seconds  
**Warm:** Approximately 15 seconds  
**Cold:** Approximately 45 seconds  
**AutoLocate™:** 2 minutes  
**SkySearch:** 5 minutes

**Update rate:** 5Hz

**GPS accuracy:**

**Position:** < 15 meters, 95% typical\*\*  
**Velocity:** 0.1 knot RMS steady state

**DGPS (USCG) accuracy:**

**Position:** 3-5 meters, 95% typical  
**Velocity:** 0.1 knot RMS steady state

**DGPS (WAAS) accuracy:**

**Position:** < 3 meters, 95% typical  
**Velocity:** 0.1 knot RMS steady state

**Dynamics:**

999 knots, 6g's

**Map datums:**

108 predefined, 1 user

**Interfaces**

**Serial interface:**

**Port 1:** Selectable between NMEA and Garmin, NMEA 0183 v2.0 (ASCII), GPALM, GPGGA, GPGSA, GPGSV, GPRMC, GPVTG, GPGLL, PGRME, PGRMF, PGRMT and PGRMV output  
**Port 2:** RTCM only. RTCM SC-104 differential input message types 1, 2, 3, 7 and 9

**Baud rates:** 300/600/1200/2400/4800/9600/19200

**Environmental**

**Temperature:**  
**Operating:** -30° to 80° C  
**Storage:** -40° to 80° C

**Physical**

**Size:** 3.54" diameter (90 mm)  
1.65" height (42 mm)

**Weight:** .46 lb. (0.209 kg) unit only  
1.1 lb. (0.499 kg) with cable

**Cable:** Foil-shielded 5 conductor 22 AWG

**Mount:** Magnetic base included

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For more information, please refer to our tech specs, which are available on our Web site:  
<http://www.garmin.com/products/gps16a/manual.html>

Specifications are preliminary and subject to change without notice.

\* Warm = all data known.  
Cold = position, time and almanac known.  
AutoLocate™ = almanac known, position and time unknown.  
SkySearch = no data known.

\*\* Subject to accuracy degradation to 100m 2DRMS under the U.S. Department of Defense imposed Selective Availability Program.