

GPS4 Unit

GPS Minimum Specifications

- Receiver Type: 20-channel, L1 frequency, C/A code
- Horiz. Position Accuracy: < 2.5m (Autonomous)
< 2.0m (WAAS) (50% 24hr static, -130dBm)
- Velocity Accuracy <0.01 m/s, 0.036km/h, 0.022 mph (speed)
<0.01 (heading) (50%@30m/s)
- Time To First Fix: Autonomous
 - Hot start <1sec
 - Warm start <35sec
 - Cold start <42sec (50% -130dBm)
- Sensitivity (Autonomous): -142dBm (acquisition)
-159dBm (tracking)
(-142dBm 28dB-Hz with 4dB noise figure)
- Max. Update Rate: 1Hz
- Max. Altitude: <18,000 m
- Max. Velocity: <1,852 km/hr
- Protocol Support: NMEA v3.00, 4800bps N,8,1;
- Operating temp. range: -40 to 185°F (battery: -4 to 140°F), -40 ~ 85°C (battery: -20 ~ 60°C)
- Storage temperature: -40 to 257°F (-40 to 125°C)
- Waterproof: IP67
- Power Supply: 3.3 ~5.5 VDC
- Power Consumption: 31mA/average tracking
- Dimensions: 1.4 x 1.65 x 0.6" (36 x 42 x 15 mm)
- Operating Humidity: 5 to 95% non-condensing
- Cable length 9.84' (3 m)
- Warranty: 3-year parts and labor

The GPS unit must be a Seon GPS4 GPS Unit or an approved equivalent.

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