

SENSOR II



The Smart GPS Integration Solution

The Ashtech Sensor II has been specifically designed to meet the needs of high-end systems integrators. Up to twelve satellites are tracked in high dynamic airborne operations with a "loss of lock" reacquisition time of less than two (2) seconds. The single board format is ideal for a variety of OEM marine, airborne or land navigation applications. The Sensor II provides three-dimensional position accuracy of 1-3 meters rms (PDOP ≤ 4) using the Real-Time Differential mode. Independent measurements are determined at once per second. Accurate time tags are provided with just one satellite and no knowledge of position. The Sensor II Receiver Module weighs just two (2) ounces measuring 4.25" x 2.25" x .44" and operates with a DC input of 5 volts with a connection for battery backup of "Keep Alive" memory.

The Sensor II offers the most complete package of standard features including:

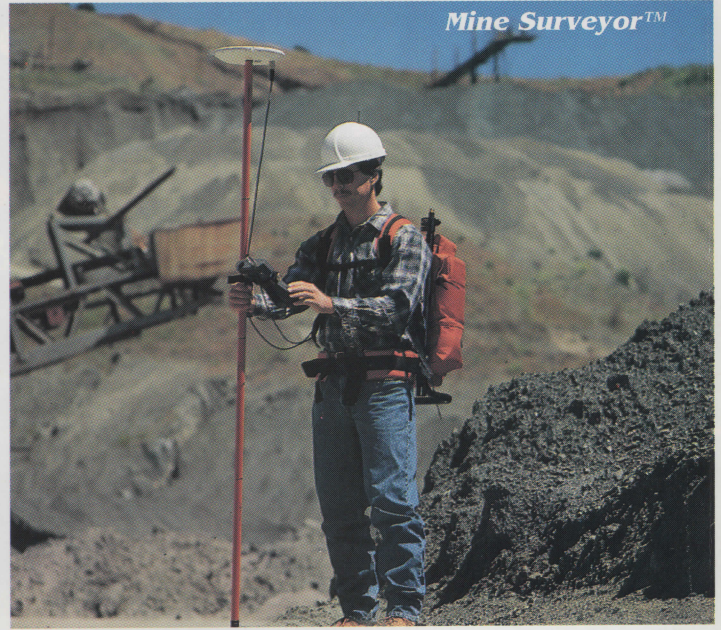
- 12 Channel carrier-smoothed C/A code with "All-In-View" operation
- Real-Time Differential - receives RTCM 104 format Type 1, 2, 3, 6, 9, 16
- 1 PPS time pulse
- Raw GPS data outputs (pseudo ranges, integrated Doppler, ephemeris)
- 1 Second update rate
- NMEA 0183 outputs of position, velocity, time, command and satellite information
- Two RS-232 I/O Ports (38,400 Baud) with flow control
- 2 Second reacquisition time after temporary loss of lock

The Ashtech Sensor II GPS Receiver module provides real-time position, speed over ground, course over ground and time measurements using twelve channels of C/A code on the L1 band. Using the carrier phase, the Sensor II smooths all raw ranges for position computation and updates all data every second. The Sensor II is feature-rich, concise and priced to meet the most challenging integration requirements. Call Ashtech Navigation Sales at (800) 922-2401 for more information.



Circle 5

Reliable, Real-Time Centimeter Surveying... So, what's the difference?



Application software!

Application specific software packages designed to satisfy your field operational requirements. New applications include: Automated Topographic Surveying, Route Surveying including cut and fill, 3D Seismic Surveying and Real-Time Layout at the centimeter-level. You can choose one or all, depending on your needs.

Call 1-800-922-2401 today to find out how much we have to offer you.

Your surveying business deserves the best!

Our Real-Time Z-Tracking™ surveying systems afford the highest level of reliability, precision and field productivity available in the industry. At the heart of each system is the Ashtech Z-12, recognized world-wide as the premier geodetic receiver technology. Our Real-Time Z™ Technology, combined with our expanding variety of application software packages, is the solution to your surveying needs.

**ASHTECH**

The leader in precision solutions for global positioning

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