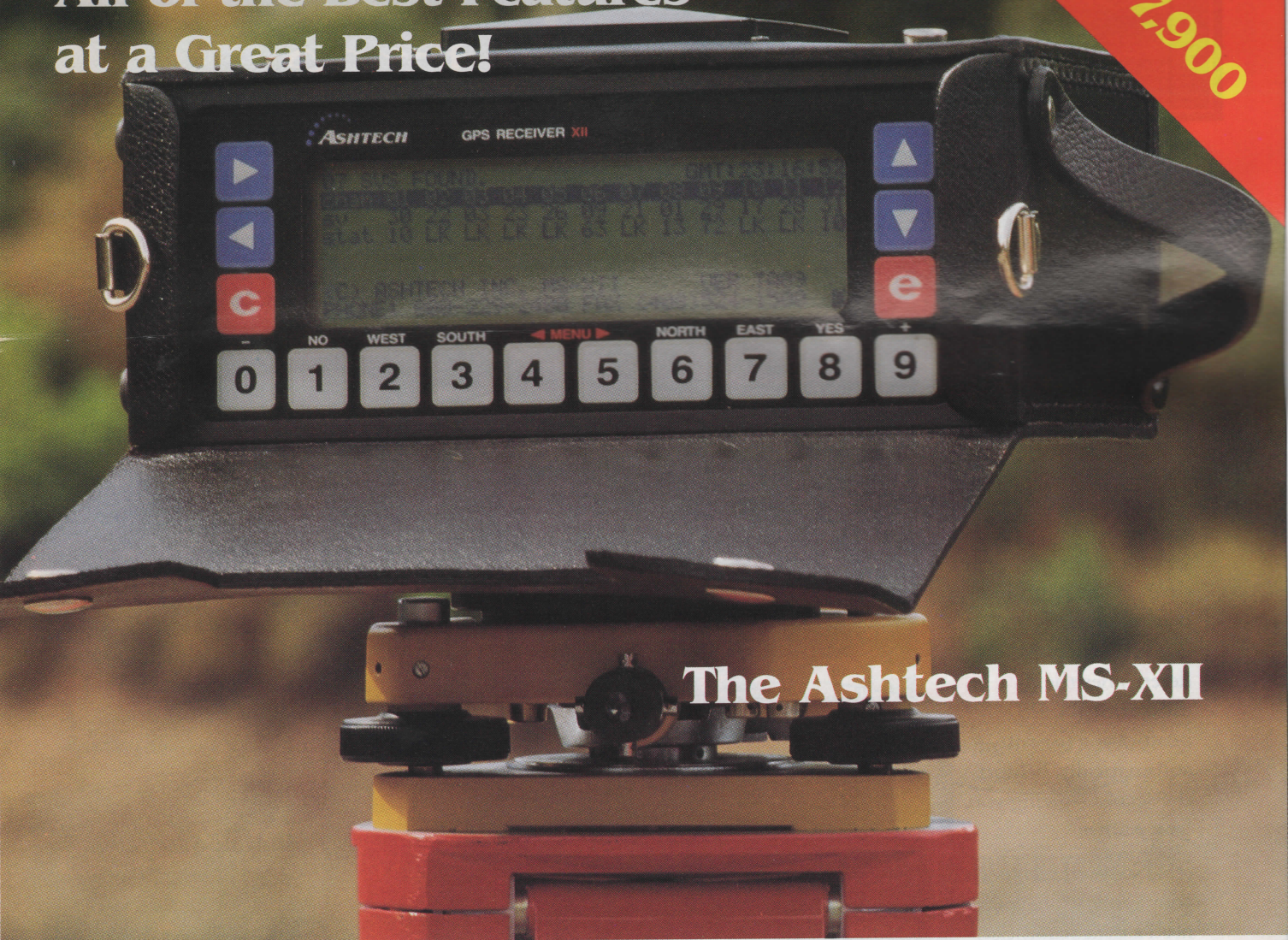


All of the Best Features
at a Great Price!

\$7,900



The Ashtech MS-XII

The MS-XII is a compact, self-contained, field-ruggedized geodetic survey receiver. Its versatility makes it ideal for either control surveys or hydrographic surveys and because the antenna and rechargeable Nicad batteries are built in, the MS-XII is ideal for rugged terrain measurements. It requires no calibration or warm-up. Features and options include:

- Waypoint Navigation
- 1 Second Recording Rate
- Two RS-232 Ports
- NMEA outputs
- Internal Data Logging Memory
- Optional Real-Time Differential
- Internal Route Storage
- Battery Capacity Indicator

The MS-XII provides a geodetic accuracy of 1 CM plus 2 ppm horizontally and a differential real-time accuracy of 1-3 meters or less SEP. The MS-XII offers most of the same features and performance of our other geodetic receivers. Using an optional external antenna and battery, this receiver is ideal for kinematic applications. It is fully compatible with our other receivers and with our new PRISM II™ software suite.

PRISM II offers the best GPS performance features for the surveying professional including Ashtech's PNAV "On-the-fly" ambiguity resolution.

For the total survey solution at an affordable price, contact us at (800) 229-2400.



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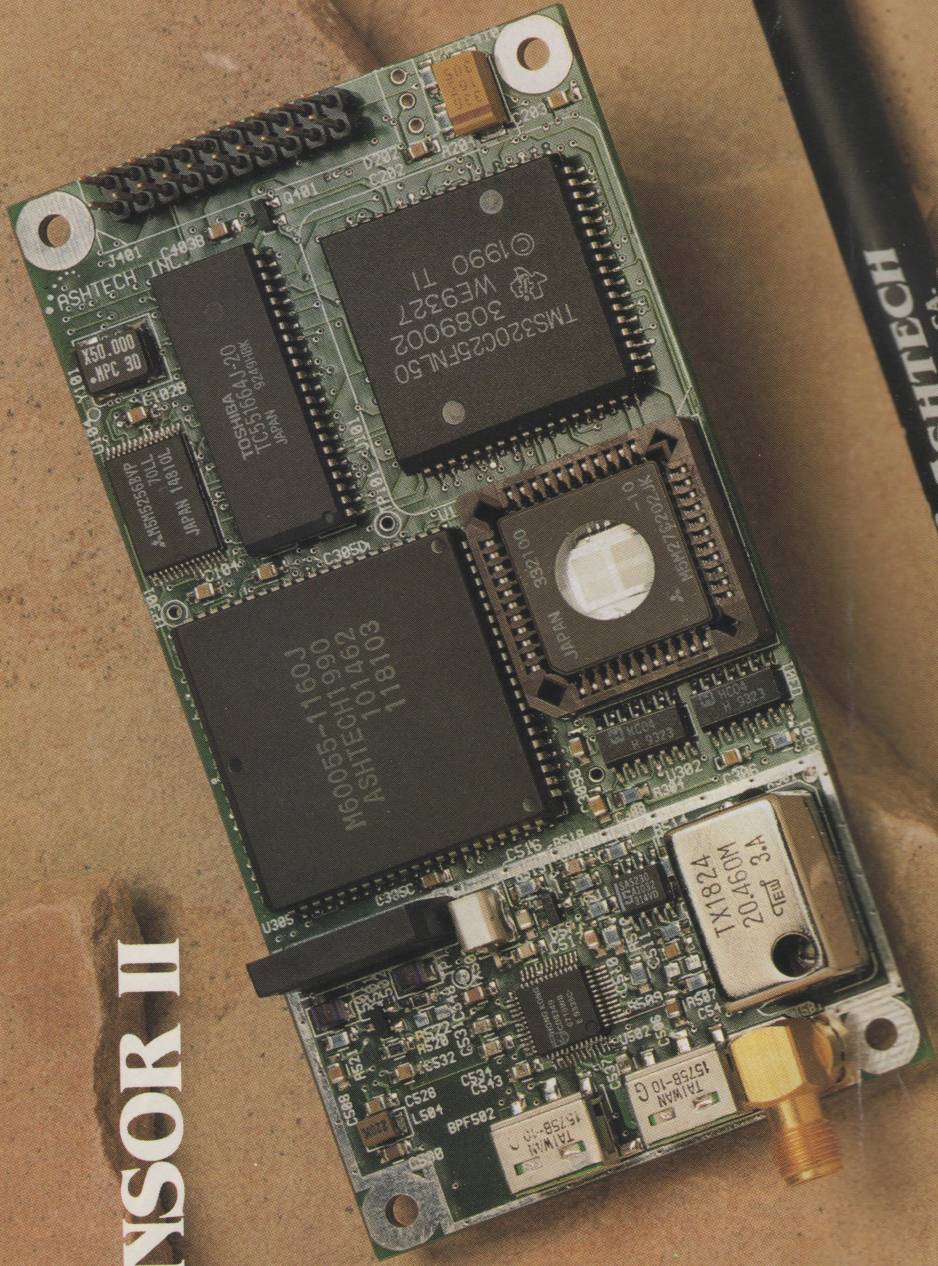
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SENSOR II



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

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) 229-2400 for more information.

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