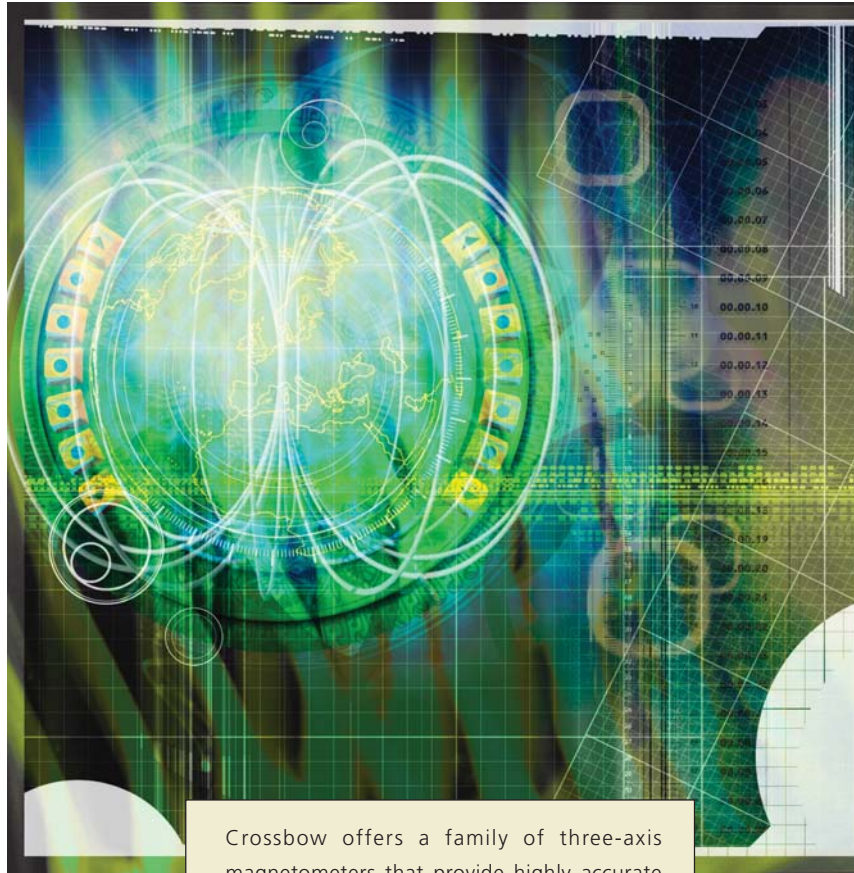


MAGNETOMETERS



magnetometers

Crossbow offers a family of three-axis magnetometers that provide highly accurate sensing through all orientations. They are field-proven performers in a wide range of applications including magnetic compassing on land or sea, vehicle orientation, borehole logging and directional drilling, laboratory measurements, magnetic/gravity field measurements, and materials testing.

- Remote Magnetometers for Inertial Systems
- Digital Compassing
- Orientation Sensors
- Towed Sonar Arrays
- Directional Drilling



CRM500/CRM510

REMOTE MAGNETOMETERS FOR INERTIAL SYSTEMS

The CRM500GA Module is designed as a remote flux gate magnetometer to use with the AHRS500GA. The CRM500 is easy to install and includes micro-machined accelerometers to allow for compensating automated adjustment with the AHRS500GA during installation



CXM539

DIGITAL 3-AXIS MAGNETOMETER

As a stand-alone magnetic measurement device, the CXM539 is a fully self-contained high-speed digital magnetometer with RS-232 output. The device employs three ± 1 Gauss full scale fluxgate magnetometers, three 16-bit A/D sigma delta converters, and a micro-controller. The unit provides output data in engineering units (Gauss).



CXM544

MICRO ORIENTATION SENSOR

The CXM544 sensor detects the earth's magnetic field using a 3-axis magnetometer. The sensor computes a continuous measure of orientation using the 3-axis accelerometer as a gravitational field reference. The product uses the SoftSensor® architecture to compensate for temperature drift, alignment, and other errors. The CXM544 finds application in oil well logging, marine systems, and magnetic compassing.



CHS110

TOWED SONAR ARRAY HEADING SENSOR

The CHS110 Sensor is a specialized product designed specifically for towed sonar array applications. It is small, low power and designed to replace traditional compass solutions. Unlike compass solutions, there is no floating gimbal in the CHS110 and no moving parts. The unit has been tested in latitudes as high as 85 degrees.