

FOR IMMEDIATE RELEASE:

**MicroStrain® announces the release of the 3DM-GX3-25™
miniature Attitude Heading Reference System**

**3DM-GX3-25™ AHRS is the smallest, lightest and lowest power
AHRS available today.**

Williston, Vermont – April 8, 2009

MicroStrain Inc has released the latest in its line of attitude heading reference systems (AHRS). The 3DM-GX3-25™ AHRS is the first of the 3DM-GX3™ family of miniature inertial systems to be released into the market. With versions weighing only 11.5 grams, it is the smallest and lightest AHRS on the market today.

“The 3DM-GX3-25 AHRS will enable the development of the next generation of wearable tracking devices and smaller, lighter unmanned vehicles and robots. Its small size, coupled with outstanding dynamic performance, represents a breakthrough for developers of personnel location tracking systems for first responders”, says Steve Arms, President of MicroStrain.



The 3DM-GX3-25 AHRS combines 12 sensors - triaxial accelerometers, gyroscopes and magnetometers with three embedded temperature sensors and an on-board microprocessor running a sophisticated sensor fusion algorithm to provide static and dynamic orientation and inertial measurements.

Improved performance under vibration is achieved by over sampling the sensors at 30KHz, digitally filtering and performing coning and sculling integrals at 1 KHz and outputting deltaAngle and deltaVelocity. User adjustable output rates up to 1 KHz makes the 3DM-GX3-25 AHRS one of the fastest attitude heading reference systems available today.

Each 3DM-GX3-25 AHRS is individually calibrated to compensate for gyro-G-sensitivity and sensor misalignment. Full temperature compensation for bias and sensitivity of all nine sensors ensures performance over the full operating range of the sensor. A new mounting system provides precision alignment of the sensor. The 3DM-GX3-25 AHRS is supplied with routines that enable the user to carry out hard and soft iron field

calibrations, where appropriate. Units are available with USB 2.0, RS232 and TTL serial interfaces.

Low cost evaluation kits provide engineers with an economical solution to develop and test applications and very competitive OEM discounts make the 3DM-GX3-25 AHRS the solution of choice when low cost and high performance is required.

The 3DM-GX3-25 AHRS solves measurement problems in a wide variety of applications, including:

- Unmanned vehicle navigation
- Platform stabilization
- Biomechanics
- Wearable inertial trackers
- Borehole surveying
- Attitude sensing
- Athletic performance enhancement

About MicroStrain Inc:

MicroStrain is a privately held corporation based in Williston Vermont. MicroStrain produces smart, wireless, microminiature displacement, orientation and strain sensors. Applications include advanced automotive controls, health monitoring of machines and structures, smart medical devices and navigation/control systems for unmanned vehicles. For further information please visit MicroStrain's website at www.microstrain.com or call 802-862-6629.

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