



## **Trimble Introduces High-Performance Modular GPS Receiver for Waterway Construction and System Integrators Dynamic, Real-time Positioning in a Single Receiver**

**SUNNYVALE, Calif., Dec. 1, 2005** -- Trimble (NASDAQ:TRMB) today introduced the Trimble® DSM™ 232 Receiver, a high-performance Global Positioning System (GPS) receiver capable of sub-meter, decimeter and centimeter accuracy for both harbor and waterway applications and for system integrators. The modular receiver is designed for dynamic, real-time positioning operations on water, such as waterway dredging where it is integrated as the positioning sensor component. The GPS receiver is easily upgraded to increase performance as positioning requirements change.

For waterway and harbor applications, the Trimble DSM 232 GPS receiver allows operators to save time and reduce operational costs. Setup time is greatly reduced as well as cost of ownership because the operator can purchase an entry-level receiver and upgrade as their company's needs grow. With the DSM 232, one receiver can be used for positioning over large geographic (land based) areas with or without a base station and external radio modems, eliminating the need for multiple GPS receivers.

The receiver features an integrated keypad and screen, and outputs industry-standard NMEA messages for fast, easy integration into existing operations or new installations. The DSM 232 can be used with PC-based software such as Trimble's HYDROpro™ Software for waterway construction projects.

The Trimble DSM 232 GPS receiver provides system integrators and waterway operators with a flexible solution. Now they can choose one receiver for sub-meter level GPS requirements through to centimeter level GPS positioning. The Trimble DSM 232 installs easily and is able to withstand tough environmental conditions. Additionally, the modular GPS receiver and antenna design allow the unit to be moved quickly from vessel to vessel.

The Trimble DSM 232 GPS receiver allows users to choose the GPS correction method and accuracy required to suit their applications. This GPS technology gives operators high-performance capability, ranging from one centimeter with the Trimble RTK solution, to decimeter level with the OmniSTAR-XP/HP satellite service, or to sub-meter with Differential GPS (DGPS) options. OmniSTAR satellite-based services are available in specific geographic regions worldwide and require a subscription from the service provider; check with OmniSTAR for availability and operating constraints in your area. The entry-level model delivers sub-meter accuracy using the DGPS beacon and OmniSTAR VBS service or meter level when using Satellite Based Augmentation Systems (SBAS) such as WAAS or EGNOS.

The Trimble DSM 232 DGPS receiver is available immediately from Trimble's Construction Division dealer network.

### **About Trimble's Construction Business**

The Construction business of Trimble is focused on developing technology and solutions for earthmoving, site preparation, and general, interior and underground construction contractors. Trimble's construction solutions help to get the job done faster, with less machine time and personnel. For each phase of the construction cycle designing, grading, site checking, building and asset tracking Trimble has a broad portfolio of integrated construction positioning systems designed to improve productivity.

### **About Trimble**

Trimble is a leading innovator of Global Positioning System (GPS) technology. In addition to providing advanced GPS components, Trimble augments GPS with other positioning technologies as well as wireless communications and software to create complete customer solutions. Trimble's worldwide presence and unique capabilities position the Company for growth in emerging applications including surveying, agriculture, machine guidance, fleet and asset management, wireless platforms, and telecommunications infrastructure. Founded in 1978 and headquartered in Sunnyvale, Calif., Trimble has more than 2,000 employees in more than 20 countries worldwide.

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