

# RT3000

## Inertial and GPS Measurement System

### Accessories/Options

#### Outputs

- RT-CAN  
CAN Output
- RT-ANA  
Analog Output Module

#### Differential GPS

- RT-Base  
L1/L2 RTK  
2-20cm DGPS
- RT-Beacon  
40cm Low Cost DGPS
- RT-WAAS  
1m Low Cost DGPS
- RT3050/3040  
OmniSTAR VBS/HP  
50-10cm DGPS

#### Display/Interface

- RT-Display  
Pocket PC Interface

#### Installation/Mount

- RT-Strut  
Quick Mount Strut

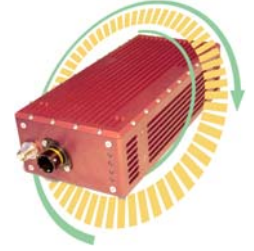
#### Post Sales Services

RT-Support Services  
Calibration  
Training  
Consultation

#### North American Sales & Service

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## RT3000 Accessories and Options



Oxford Technical Solutions specializes in Inertial Navigation Systems and GPS technology for measuring motion, position and orientation. The RT3000 Family includes a broad range of inertial measurement instruments, suitable for a large variety of applications. We have several support products that help improve the accuracy of the RT3000 products and make its operation even easier.



#### RT3000 Family with CAN Output

The RT3000 family combines precision Angular Rate Sensors and navigation grade Accelerometers, a survey grade GPS receiver and an Advanced Navigation Computer to form an Inertial Navigation System aided by GPS in one very compact box. Outputs can include Ethernet, Serial RS XXX options, CAN and Analog. A full CAN DB file provides for easy connection to other CAN systems.



#### RT-ANA 16-channel/16-bit Analog Output option

Analog Outputs allow the connection of RT3000 family products to older data acquisition systems, to get simple measurements made fast. Analogue Outputs also offer the ability to get back to basics, to view signals directly on an oscilloscope. The RT-ANA product offers 16 separate channels of 16-bit analog accuracy.



#### RT-Base L1/L2 RTK GPS Base Station

To get the most from Inertial and GPS Navigation Systems it is often essential to have Differential Corrections or DGPS. The RT-Base is a Differential Correction system with an Integrated Battery and Radio link packed in to a rugged, outdoor Peli case. It is configured to work seamlessly with the RT3000 family of products and with the MicroSAT products. It can be used by many other GPS receivers.



#### RT-Beacon Differential Correction Receiver

Free GPS Differential Corrections are transmitted by many Coast Guards. Inland stations have also started to appear using the same standard. The RT-Beacon product can pick up these Differential Corrections to get the most from RT3000 family products.



#### OmniSTAR HP & VBS Differential Correction Service

OmniSTAR™ is a subscription based Differential Correction service that is transmitted by satellite. Two of the RT3000 products, the RT3040 and RT3050, include the hardware for receiving OmniSTAR™ HP and VBS corrections.

#### RT-Strut Quick Installation Mount

The RT-Strut is a fast vehicle mounting system for the RT3000 family of Inertial and GPS Navigation Systems. Using the RT-Strut the RT3000 can be mounted securely in most vehicles in minutes. The stiff yet lightweight carbon fiber RT-Strut wedges between the floor and the roof of the car. Wide feet at the bottom of the RT-Strut ensure excellent yaw rigidity.



#### Post Sales Services

To ensure you receive the highest levels of support for our products we offer calibration, training, and consultation services as well as RT system support contracts. These cover technical support, software upgrades and free labor on repairs.

