



- Innovative chassis incorporating state of the art design for improved reliability
- Enables survey to IHO standards in all weather conditions
- Compact depth rated design for sub-sea vehicles
- Low power consumption enables offshore buoy operation
- Depth rated to 3000m as standard
- Incorporates new Silicon Gyro technology
- Optional external velocity aiding
- Compact size and light weight
- Flexible mounting orientation
- EMC and CE rated
- User configurable output formats
- No data latency
- Optional internal heading
- DMSView for MS Windows operating system



- Shallow Water Multi-beam
- Single Beam Echo-sounders
- Offshore Data Buoys
- Acoustic Positioning
- Dynamic Positioning
- ROV / AUV Control
- Heli-Deck Monitoring
- Vessel Monitoring and Control
- ADCP
- Platform Monitoring
- Tow-Fish Applications

### Innovative Motion Technology for Marine Applications

The new TSS Compact Motion Sensor (CMS) incorporates the latest Silicon Gyro technology for the new Millennium.

The CMS is designed specifically to meet the motion measurement requirements of a diverse spectrum of marine users from Single-beam echo-sounders to Dynamic Positioning systems. The CMS can accept external velocity aiding for enhanced performance in all weather conditions and during dynamic vessel manoeuvres.

The innovative chassis features a single processing board incorporating the latest in multi-layer surface mount technology to maximise reliability and reduce the overall size of the sensor. The integration of the latest Silicon Gyro technology has enabled TSS to offer a balance of cost versus performance.

Small, light and with a low power consumption the new CMS offers a family of sensors with performance to match a range of budgets each

benefiting from the same high standard of design and manufacture.

In addition to configurable outputs via the all new DMSView for Windows the CMS provides real-time Heave, Pitch, Roll & Yaw in digital and analogue formats (via remote interface). TSS also offer a bespoke service to tailor individual sensors for any application.

Requiring no additional housings the compact CMS can operate on ROVs / AUVs or tow-fish to 3000m water depth. Alternatively the unique design of the single chassis allows for integration into existing housings on the vehicle. The new Compact Motion Sensor has been developed from over 20 years of continuous design and innovation in marine motion measurement.

Backed by a global support network of regional TSS offices and representatives we provide complete repair, test and calibration facilities in the UK and the USA aided by factory trained service engineers on every continent.

